



Table 3 - price information to be published as referred to in Article 4 point (a)

Size range 1: greater than EUR 0 and less than or equal to the Standard Market Size or the Size Specific to the financial instrument;

Size range 2: greater than the Standard Market Size or the Size Specific to the financial instrument and less than or equal to Large in Scale;

Size range 3: greater than Large in Scale.

				All trades		First transaction after time T (if no transactions within first two minutes after time						
Date	Financial Instrument Name	Time (T)	Size Range	Simple average executed price (excluding commissions and	Total value executed	Price	Time of execution	Transaction Size	Trading System	Trading Mode	Trading platform	best bid and offer or suitable reference price at time of execution
10/1/2019	#AA	9:30:00 AM	1						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AA	11:30:00 AM	2						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AA	1:30:00 PM	3						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AA	3:30:00 PM	4						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AABA	9:30:00 AM	5						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AABA	11:30:00 AM	6						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AABA	1:30:00 PM	7						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AABA	3:30:00 PM	8						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAL	9:30:00 AM	9						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAL	11:30:00 AM	10						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAL	1:30:00 PM	11						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAL	3:30:00 PM	12						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAPL	9:30:00 AM	13						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAPL	11:30:00 AM	14						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#AAPL	1:30:00 PM	15						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AAPL	3:30:00 PM	16						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ADBE	9:30:00 AM	17						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ADBE	11:30:00 AM	18						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ADBE	1:30:00 PM	19						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ADBE	3:30:00 PM	20						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AIG	9:30:00 AM	21						Continuous Quote Driven	N/A	ELECTRONIC	N/A
10/1/2019	#AIG	11:30:00 AM	22						Continuous Quote Driven	N/A	ELECTRONIC	N/A
10/1/2019	#AIG	1:30:00 PM	23						Continuous Quote Driven	N/A	ELECTRONIC	N/A
10/1/2019	#AIG	3:30:00 PM	24						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMD	9:30:00 AM	25						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMD	11:30:00 AM	26						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMD	1:30:00 PM	27						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMD	3:30:00 PM	28						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMZN	9:30:00 AM	29						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMZN	11:30:00 AM	30						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMZN	1:30:00 PM	31						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AMZN	3:30:00 PM	32						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AXP	9:30:00 AM	33						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AXP	11:30:00 AM	34						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AXP	1:30:00 PM	35						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#AXP	3:30:00 PM	36						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BA	9:30:00 AM	37						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BA	11:30:00 AM	38						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BA	1:30:00 PM	39						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BA	3:30:00 PM	40						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BABA	9:30:00 AM	41						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BABA	11:30:00 AM	42						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BABA	1:30:00 PM	43						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BABA	3:30:00 PM	44						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BAC	9:30:00 AM	45						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#BAC	11:30:00 AM	46						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BAC	1:30:00 PM	47						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BAC	3:30:00 PM	48						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BARC	9:30:00 AM	49						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BARC	11:30:00 AM	50						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BARC	1:30:00 PM	51						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BARC	3:30:00 PM	52						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BHP	9:30:00 AM	53						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BHP	11:30:00 AM	54						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BHP	1:30:00 PM	55						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BHP	3:30:00 PM	56						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BIDU	9:30:00 AM	57						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BIDU	11:30:00 AM	58						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BIDU	1:30:00 PM	59						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BIDU	3:30:00 PM	60						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Bitcoin	9:30:00 AM	61						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Bitcoin	11:30:00 AM	62						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Bitcoin	1:30:00 PM	63						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Bitcoin	3:30:00 PM	64						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#BK	11:30:00 AM	66						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BK	1:30:00 PM	67						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BK	3:30:00 PM	68						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BLT	9:30:00 AM	69						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BLT	11:30:00 AM	70						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BLT	1:30:00 PM	71						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BLT	3:30:00 PM	72						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BP	9:30:00 AM	73						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BP	11:30:00 AM	74						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BP	1:30:00 PM	75						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BP	3:30:00 PM	76						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BTA	9:30:00 AM	77						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BTA	11:30:00 AM	78						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#BTA	1:30:00 PM	79						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#BTA	3:30:00 PM	80						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#C	9:30:00 AM	81						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#C	11:30:00 AM	82						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#C	1:30:00 PM	83						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#CAT	1:30:00 PM	87						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#CHL	11:30:00 AM	90						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CHL	1:30:00 PM	91						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CHL	3:30:00 PM	92						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CL.f	9:30:00 AM	93						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CL.f	11:30:00 AM	94						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CL.f	1:30:00 PM	95						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CL.f	3:30:00 PM	96						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CMCSA	9:30:00 AM	97						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CMCSA	11:30:00 AM	98						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CMCSA	1:30:00 PM	99						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CMCSA	3:30:00 PM	100						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CSCO	9:30:00 AM	101						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CSCO	11:30:00 AM	102						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CSCO	1:30:00 PM	103						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CSCO	3:30:00 PM	104						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CVX	9:30:00 AM	105						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CVX	11:30:00 AM	106						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CVX	1:30:00 PM	107						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#CVX	3:30:00 PM	108						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DD	9:30:00 AM	109						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DD	11:30:00 AM	110						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DD	1:30:00 PM	111						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DD	3:30:00 PM	112						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DIS	9:30:00 AM	113						Continuous Quote	N/A	ELECTRONIC	N/A

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10/1/2019	#DIS	1:30:00 PM	115						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DIS	3:30:00 PM	116						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DWDP	9:30:00 AM	117						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DWDP	11:30:00 AM	118						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DWDP	1:30:00 PM	119						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#DWDP	3:30:00 PM	120						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#EBAY	9:30:00 AM	121						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#EBAY	11:30:00 AM	122						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#Ethereum	11:30:00 AM	126						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Ethereum	1:30:00 PM	127						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#Ethereum	3:30:00 PM	128						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#F	9:30:00 AM	129						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#F	11:30:00 AM	130						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#F	1:30:00 PM	131						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#F	3:30:00 PM	132						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#FB	11:30:00 AM	134						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FB	1:30:00 PM	135						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FB	3:30:00 PM	136						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FCX	9:30:00 AM	137						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FCX	11:30:00 AM	138						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FCX	1:30:00 PM	139						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FCX	3:30:00 PM	140						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FDX	9:30:00 AM	141						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FDX	11:30:00 AM	142						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FDX	1:30:00 PM	143						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FDX	3:30:00 PM	144						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FSLR	9:30:00 AM	145						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FSLR	11:30:00 AM	146						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#FSLR	1:30:00 PM	147						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#FSLR	3:30:00 PM	148						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GE	9:30:00 AM	149						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GE	11:30:00 AM	150						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GE	1:30:00 PM	151						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GE	3:30:00 PM	152						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GEN	9:30:00 AM	153						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GEN	11:30:00 AM	154						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GEN	1:30:00 PM	155						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GEN	3:30:00 PM	156						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GILD	9:30:00 AM	157						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GILD	11:30:00 AM	158						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GILD	1:30:00 PM	159						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#GOOG	11:30:00 AM	162						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GOOG	1:30:00 PM	163						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GOOG	3:30:00 PM	164						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GS	9:30:00 AM	165						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GS	11:30:00 AM	166						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GS	1:30:00 PM	167						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GS	3:30:00 PM	168						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GSK	9:30:00 AM	169						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GSK	11:30:00 AM	170						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GSK	1:30:00 PM	171						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#GSK	3:30:00 PM	172						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HAL	9:30:00 AM	173						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HAL	11:30:00 AM	174						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HAL	1:30:00 PM	175						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HAL	3:30:00 PM	176						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HD	9:30:00 AM	177						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HD	11:30:00 AM	178						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HD	1:30:00 PM	179						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HD	3:30:00 PM	180						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HON	9:30:00 AM	181						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#HON	11:30:00 AM	182						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HON	1:30:00 PM	183						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HON	3:30:00 PM	184						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HPQ	9:30:00 AM	185						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HPQ	11:30:00 AM	186						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HPQ	1:30:00 PM	187						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HPQ	3:30:00 PM	188						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HSBA	9:30:00 AM	189						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HSBA	11:30:00 AM	190						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HSBA	1:30:00 PM	191						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#HSBA	3:30:00 PM	192						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#IBM	9:30:00 AM	193						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#IBM	11:30:00 AM	194						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#IBM	1:30:00 PM	195						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#IBM	3:30:00 PM	196						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ILMN	9:30:00 AM	197						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#INTC	11:30:00 AM	202						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#INTC	1:30:00 PM	203						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#INTC	3:30:00 PM	204						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#V	1:30:00 PM	411						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#V	3:30:00 PM	412						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#VOD	9:30:00 AM	413						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#VOD	1:30:00 PM	415						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#VOD	3:30:00 PM	416						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#VZ	9:30:00 AM	417						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#VZ	11:30:00 AM	418						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#VZ	1:30:00 PM	419						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	#VZ	3:30:00 PM	420						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WDC	9:30:00 AM	421						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WDC	11:30:00 AM	422						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WDC	1:30:00 PM	423						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WDC	3:30:00 PM	424						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	#WFC	1:30:00 PM	427						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WFC	3:30:00 PM	428						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WMT	9:30:00 AM	429						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WMT	11:30:00 AM	430						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WMT	1:30:00 PM	431						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#WMT	3:30:00 PM	432						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#XOM	9:30:00 AM	433						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#XOM	11:30:00 AM	434						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#XOM	1:30:00 PM	435						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#XOM	3:30:00 PM	436						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#YHOO	9:30:00 AM	437						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#YHOO	11:30:00 AM	438						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#YHOO	1:30:00 PM	439						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#YHOO	3:30:00 PM	440						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ZNGA	9:30:00 AM	441						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ZNGA	11:30:00 AM	442						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ZNGA	1:30:00 PM	443						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	#ZNGA	3:30:00 PM	444						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDCAD	1:30:00 PM	447						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCAD	3:30:00 PM	448						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCAD.fx	9:30:00 AM	449						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCAD.fx	11:30:00 AM	450						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCAD.fx	1:30:00 PM	451						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCAD.fx	3:30:00 PM	452						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDCHF	11:30:00 AM	454						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDCHF	3:30:00 PM	456						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDCHF.fx	11:30:00 AM	458						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCHF.fx	1:30:00 PM	459						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCHF.fx	3:30:00 PM	460						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDCZK	9:30:00 AM	461						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDDKK	3:30:00 PM	468						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDHKD	9:30:00 AM	469						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDHKD	1:30:00 PM	471						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDHKD	3:30:00 PM	472						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDHUF	9:30:00 AM	473						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDHUF	1:30:00 PM	475						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDHUF	3:30:00 PM	476						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDJPY	9:30:00 AM	477						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDJPY	11:30:00 AM	478						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDJPY	1:30:00 PM	479						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDJPY.fx	11:30:00 AM	482						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDJPY.fx	1:30:00 PM	483						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDNOK.fx	11:30:00 AM	494						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDNOK.fx	1:30:00 PM	495						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDNOK.fx	3:30:00 PM	496						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDNZD	9:30:00 AM	497						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDNZD	1:30:00 PM	499						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDNZD	3:30:00 PM	500						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUDNZD.fx	9:30:00 AM	501						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDNZD.fx	1:30:00 PM	503						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDSEK.fx	3:30:00 PM	516						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	AUDZAR	3:30:00 PM	536						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUS200.i	9:30:00 AM	537						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUS200.i	11:30:00 AM	538						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUS200.i	1:30:00 PM	539						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	AUS200.i	3:30:00 PM	540						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	BCHUSD	9:30:00 AM	541						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	BCHUSD	11:30:00 AM	542						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	BCHUSD	3:30:00 PM	544						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF	9:30:00 AM	545						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF	11:30:00 AM	546						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF	1:30:00 PM	547						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF	3:30:00 PM	548						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF.fx	9:30:00 AM	549						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CADCHF.fx	1:30:00 PM	551						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCHF.fx	3:30:00 PM	552						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCZK	9:30:00 AM	553						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCZK	11:30:00 AM	554						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADCZK	1:30:00 PM	555						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	CADCZK	3:30:00 PM	556						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CADHKD	9:30:00 AM	561						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHKD	11:30:00 AM	562						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHKD	1:30:00 PM	563						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHKD	3:30:00 PM	564						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHUF	9:30:00 AM	565						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHUF	11:30:00 AM	566						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHUF	1:30:00 PM	567						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADHUF	3:30:00 PM	568						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADJPY	9:30:00 AM	569						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADJPY	11:30:00 AM	570						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CADJPY.fx	9:30:00 AM	573						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADJPY.fx	11:30:00 AM	574						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADJPY.fx	1:30:00 PM	575						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADJPY.fx	3:30:00 PM	576						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADMXN	9:30:00 AM	577						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADMXN	11:30:00 AM	578						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADMXN	1:30:00 PM	579						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADMXN	3:30:00 PM	580						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADNOK	9:30:00 AM	581						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADNOK	11:30:00 AM	582						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADNOK	1:30:00 PM	583						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADNOK	3:30:00 PM	584						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CADPLN	11:30:00 AM	586						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADPLN	1:30:00 PM	587						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADPLN	3:30:00 PM	588						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADSEK	9:30:00 AM	589						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	CADSEK	11:30:00 AM	590						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADSEK	1:30:00 PM	591						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADSEK	3:30:00 PM	592						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADSGD	9:30:00 AM	593						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADSGD	11:30:00 AM	594						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CADSGD	3:30:00 PM	596						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CADZAR	9:30:00 AM	597						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CHFCZK	9:30:00 AM	601						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFCZK	11:30:00 AM	602						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CHFCZK	3:30:00 PM	604						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFDKK	9:30:00 AM	605						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFDKK	11:30:00 AM	606						Continuous Quote	N/A	ELECTRONIC	N/A
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10/1/2019	CHFDKK.fx	9:30:00 AM	609						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFDKK.fx	11:30:00 AM	610						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFDKK.fx	1:30:00 PM	611						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFDKK.fx	3:30:00 PM	612						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHKD	9:30:00 AM	613						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHKD	11:30:00 AM	614						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHKD	1:30:00 PM	615						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHKD	3:30:00 PM	616						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHUF	9:30:00 AM	617						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHUF	11:30:00 AM	618						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHUF	1:30:00 PM	619						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFHUF	3:30:00 PM	620						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY	9:30:00 AM	621						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY	11:30:00 AM	622						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY	1:30:00 PM	623						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	CHFJPY	3:30:00 PM	624						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY.fx	9:30:00 AM	625						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY.fx	11:30:00 AM	626						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY.fx	1:30:00 PM	627						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFJPY.fx	3:30:00 PM	628						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFMXN	9:30:00 AM	629						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFMXN	11:30:00 AM	630						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFMXN	1:30:00 PM	631						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFMXN	3:30:00 PM	632						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK	9:30:00 AM	633						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK	11:30:00 AM	634						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK	1:30:00 PM	635						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK	3:30:00 PM	636						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK.fx	9:30:00 AM	637						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK.fx	11:30:00 AM	638						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK.fx	1:30:00 PM	639						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFNOK.fx	3:30:00 PM	640						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN	9:30:00 AM	641						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN	11:30:00 AM	642						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN	1:30:00 PM	643						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN	3:30:00 PM	644						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN.fx	9:30:00 AM	645						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN.fx	11:30:00 AM	646						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN.fx	1:30:00 PM	647						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFPLN.fx	3:30:00 PM	648						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSEK	9:30:00 AM	649						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSEK	11:30:00 AM	650						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSEK	1:30:00 PM	651						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSEK	3:30:00 PM	652						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD	9:30:00 AM	653						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD	11:30:00 AM	654						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD	1:30:00 PM	655						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD	3:30:00 PM	656						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD.fx	9:30:00 AM	657						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	CHFSGD.fx	11:30:00 AM	658						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD.fx	1:30:00 PM	659						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFSGD.fx	3:30:00 PM	660						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFZAR	9:30:00 AM	661						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFZAR	11:30:00 AM	662						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFZAR	1:30:00 PM	663						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CHFZAR	3:30:00 PM	664						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CZKJPY	9:30:00 AM	665						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CZKJPY	11:30:00 AM	666						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CZKJPY	1:30:00 PM	667						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	CZKJPY	3:30:00 PM	668						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DAX30.i	9:30:00 AM	669						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DAX30.i	11:30:00 AM	670						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DAX30.i	1:30:00 PM	671						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DAX30.i	3:30:00 PM	672						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DJ30.i	9:30:00 AM	673						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DJ30.i	11:30:00 AM	674						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DJ30.i	1:30:00 PM	675						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DJ30.i	3:30:00 PM	676						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DKKJPY	9:30:00 AM	677						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DKKJPY	11:30:00 AM	678						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DKKJPY	1:30:00 PM	679						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	DKKJPY	3:30:00 PM	680						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD	9:30:00 AM	681						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD	11:30:00 AM	682						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD	1:30:00 PM	683						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD	3:30:00 PM	684						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD.fx	9:30:00 AM	685						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD.fx	11:30:00 AM	686						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD.fx	1:30:00 PM	687						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURAUD.fx	3:30:00 PM	688						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD	9:30:00 AM	689						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD	11:30:00 AM	690						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD	1:30:00 PM	691						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	EURCAD	3:30:00 PM	692						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD.fx	9:30:00 AM	693						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD.fx	11:30:00 AM	694						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD.fx	1:30:00 PM	695						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCAD.fx	3:30:00 PM	696						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF	9:30:00 AM	697						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF	11:30:00 AM	698						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF	1:30:00 PM	699						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF	3:30:00 PM	700						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF.fx	9:30:00 AM	701						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF.fx	11:30:00 AM	702						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF.fx	1:30:00 PM	703						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCHF.fx	3:30:00 PM	704						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCZK	9:30:00 AM	705						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCZK	11:30:00 AM	706						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCZK	1:30:00 PM	707						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURCZK	3:30:00 PM	708						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURDKK	9:30:00 AM	709						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURDKK	11:30:00 AM	710						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURDKK	1:30:00 PM	711						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURDKK	3:30:00 PM	712						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP	9:30:00 AM	713						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP	11:30:00 AM	714						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP	1:30:00 PM	715						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP	3:30:00 PM	716						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP.fx	9:30:00 AM	717						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP.fx	11:30:00 AM	718						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP.fx	1:30:00 PM	719						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURGBP.fx	3:30:00 PM	720						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD	9:30:00 AM	721						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD	11:30:00 AM	722						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD	1:30:00 PM	723						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD	3:30:00 PM	724						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD.fx	9:30:00 AM	725						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	EURHKD.fx	11:30:00 AM	726						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD.fx	1:30:00 PM	727						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHKD.fx	3:30:00 PM	728						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF	9:30:00 AM	729						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF	11:30:00 AM	730						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF	1:30:00 PM	731						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF	3:30:00 PM	732						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF.fx	9:30:00 AM	733						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF.fx	11:30:00 AM	734						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF.fx	1:30:00 PM	735						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURHUF.fx	3:30:00 PM	736						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY	9:30:00 AM	737						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY	11:30:00 AM	738						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY	1:30:00 PM	739						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY	3:30:00 PM	740						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY.fx	9:30:00 AM	741						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY.fx	11:30:00 AM	742						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY.fx	1:30:00 PM	743						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURJPY.fx	3:30:00 PM	744						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN	9:30:00 AM	745						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN	11:30:00 AM	746						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN	1:30:00 PM	747						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN	3:30:00 PM	748						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN.fx	9:30:00 AM	749						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN.fx	11:30:00 AM	750						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN.fx	1:30:00 PM	751						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURMXN.fx	3:30:00 PM	752						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK	9:30:00 AM	753						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK	11:30:00 AM	754						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK	1:30:00 PM	755						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK	3:30:00 PM	756						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK.fx	9:30:00 AM	757						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK.fx	11:30:00 AM	758						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNOK.fx	1:30:00 PM	759						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	EURNOK.fx	3:30:00 PM	760						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD	9:30:00 AM	761						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD	11:30:00 AM	762						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD	1:30:00 PM	763						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD	3:30:00 PM	764						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD.fx	9:30:00 AM	765						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD.fx	11:30:00 AM	766						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD.fx	1:30:00 PM	767						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURNZD.fx	3:30:00 PM	768						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN	9:30:00 AM	769						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN	11:30:00 AM	770						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN	1:30:00 PM	771						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN	3:30:00 PM	772						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN.fx	9:30:00 AM	773						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN.fx	11:30:00 AM	774						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN.fx	1:30:00 PM	775						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURPLN.fx	3:30:00 PM	776						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURRUB	9:30:00 AM	777						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURRUB	11:30:00 AM	778						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURRUB	1:30:00 PM	779						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURRUB	3:30:00 PM	780						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK	9:30:00 AM	781						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK	11:30:00 AM	782						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK	1:30:00 PM	783						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK	3:30:00 PM	784						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK.fx	9:30:00 AM	785						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK.fx	11:30:00 AM	786						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK.fx	1:30:00 PM	787						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSEK.fx	3:30:00 PM	788						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD	9:30:00 AM	789						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD	11:30:00 AM	790						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD	1:30:00 PM	791						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD	3:30:00 PM	792						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD.fx	9:30:00 AM	793						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	EURSGD.fx	11:30:00 AM	794						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD.fx	1:30:00 PM	795						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURSGD.fx	3:30:00 PM	796						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD	9:30:00 AM	797						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD	11:30:00 AM	798						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD	1:30:00 PM	799						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD	3:30:00 PM	800						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD.fx	9:30:00 AM	801						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD.fx	11:30:00 AM	802						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD.fx	1:30:00 PM	803						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURUSD.fx	3:30:00 PM	804						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR	9:30:00 AM	805						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR	11:30:00 AM	806						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR	1:30:00 PM	807						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR	3:30:00 PM	808						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR.fx	9:30:00 AM	809						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR.fx	11:30:00 AM	810						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR.fx	1:30:00 PM	811						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	EURZAR.fx	3:30:00 PM	812						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD	9:30:00 AM	813						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD	11:30:00 AM	814						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD	1:30:00 PM	815						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD	3:30:00 PM	816						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD.fx	9:30:00 AM	817						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD.fx	11:30:00 AM	818						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD.fx	1:30:00 PM	819						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPAUD.fx	3:30:00 PM	820						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD	9:30:00 AM	821						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD	11:30:00 AM	822						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD	1:30:00 PM	823						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD	3:30:00 PM	824						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD.fx	9:30:00 AM	825						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD.fx	11:30:00 AM	826						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCAD.fx	1:30:00 PM	827						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	GBPCAD.fx	3:30:00 PM	828						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF	9:30:00 AM	829						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF	11:30:00 AM	830						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF	1:30:00 PM	831						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF	3:30:00 PM	832						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF.fx	9:30:00 AM	833						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF.fx	11:30:00 AM	834						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF.fx	1:30:00 PM	835						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCHF.fx	3:30:00 PM	836						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCZK	9:30:00 AM	837						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCZK	11:30:00 AM	838						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCZK	1:30:00 PM	839						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPCZK	3:30:00 PM	840						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK	9:30:00 AM	841						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK	11:30:00 AM	842						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK	1:30:00 PM	843						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK	3:30:00 PM	844						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK.fx	9:30:00 AM	845						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK.fx	11:30:00 AM	846						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK.fx	1:30:00 PM	847						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPDKK.fx	3:30:00 PM	848						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHKD	9:30:00 AM	849						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHKD	11:30:00 AM	850						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHKD	1:30:00 PM	851						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHKD	3:30:00 PM	852						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHUF	9:30:00 AM	853						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHUF	11:30:00 AM	854						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHUF	1:30:00 PM	855						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPHUF	3:30:00 PM	856						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY	9:30:00 AM	857						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY	11:30:00 AM	858						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY	1:30:00 PM	859						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY	3:30:00 PM	860						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY.fx	9:30:00 AM	861						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	GBPJPY.fx	11:30:00 AM	862						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY.fx	1:30:00 PM	863						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPJPY.fx	3:30:00 PM	864						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPMXN	9:30:00 AM	865						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPMXN	11:30:00 AM	866						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPMXN	1:30:00 PM	867						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPMXN	3:30:00 PM	868						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK	9:30:00 AM	869						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK	11:30:00 AM	870						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK	1:30:00 PM	871						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK	3:30:00 PM	872						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK.fx	9:30:00 AM	873						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK.fx	11:30:00 AM	874						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK.fx	1:30:00 PM	875						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNOK.fx	3:30:00 PM	876						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD	9:30:00 AM	877						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD	11:30:00 AM	878						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD	1:30:00 PM	879						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD	3:30:00 PM	880						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD.fx	9:30:00 AM	881						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD.fx	11:30:00 AM	882						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD.fx	1:30:00 PM	883						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPNZD.fx	3:30:00 PM	884						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN	9:30:00 AM	885						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN	11:30:00 AM	886						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN	1:30:00 PM	887						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN	3:30:00 PM	888						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN.fx	9:30:00 AM	889						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN.fx	11:30:00 AM	890						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN.fx	1:30:00 PM	891						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPPLN.fx	3:30:00 PM	892						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK	9:30:00 AM	893						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK	11:30:00 AM	894						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK	1:30:00 PM	895						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	GBPSEK	3:30:00 PM	896						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK.fx	9:30:00 AM	897						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK.fx	11:30:00 AM	898						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK.fx	1:30:00 PM	899						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSEK.fx	3:30:00 PM	900						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD	9:30:00 AM	901						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD	11:30:00 AM	902						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD	1:30:00 PM	903						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD	3:30:00 PM	904						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD.fx	9:30:00 AM	905						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD.fx	11:30:00 AM	906						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD.fx	1:30:00 PM	907						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPSGD.fx	3:30:00 PM	908						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD	9:30:00 AM	909						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD	11:30:00 AM	910						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD	1:30:00 PM	911						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD	3:30:00 PM	912						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD.fx	9:30:00 AM	913						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD.fx	11:30:00 AM	914						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD.fx	1:30:00 PM	915						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPUSD.fx	3:30:00 PM	916						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR	9:30:00 AM	917						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR	11:30:00 AM	918						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR	1:30:00 PM	919						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR	3:30:00 PM	920						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR.fx	9:30:00 AM	921						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR.fx	11:30:00 AM	922						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR.fx	1:30:00 PM	923						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GBPZAR.fx	3:30:00 PM	924						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GOLD	9:30:00 AM	925						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GOLD	11:30:00 AM	926						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GOLD	1:30:00 PM	927						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	GOLD	3:30:00 PM	928						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY	9:30:00 AM	929						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	HKDJPY	11:30:00 AM	930						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY	1:30:00 PM	931						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY	3:30:00 PM	932						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY.fx	9:30:00 AM	933						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY.fx	11:30:00 AM	934						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY.fx	1:30:00 PM	935						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HKDJPY.fx	3:30:00 PM	936						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HUFJPY	9:30:00 AM	937						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HUFJPY	11:30:00 AM	938						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HUFJPY	1:30:00 PM	939						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	HUFJPY	3:30:00 PM	940						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JP225.i	9:30:00 AM	941						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JP225.i	11:30:00 AM	942						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JP225.i	1:30:00 PM	943						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JP225.i	3:30:00 PM	944						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	MXNJPY	9:30:00 AM	945						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	MXNJPY	11:30:00 AM	946						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	MXNJPY	1:30:00 PM	947						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	MXNJPY	3:30:00 PM	948						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NASDAQ.i	9:30:00 AM	949						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NASDAQ.i	11:30:00 AM	950						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NASDAQ.i	1:30:00 PM	951						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NASDAQ.i	3:30:00 PM	952						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY	9:30:00 AM	953						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY	11:30:00 AM	954						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY	1:30:00 PM	955						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY	3:30:00 PM	956						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY.fx	9:30:00 AM	957						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY.fx	11:30:00 AM	958						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY.fx	1:30:00 PM	959						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NOKJPY.fx	3:30:00 PM	960						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD	9:30:00 AM	961						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD	11:30:00 AM	962						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD	1:30:00 PM	963						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	NZDCAD	3:30:00 PM	964						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD.fx	9:30:00 AM	965						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD.fx	11:30:00 AM	966						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD.fx	1:30:00 PM	967						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCAD.fx	3:30:00 PM	968						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF	9:30:00 AM	969						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF	11:30:00 AM	970						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF	1:30:00 PM	971						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF	3:30:00 PM	972						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF.fx	9:30:00 AM	973						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF.fx	11:30:00 AM	974						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF.fx	1:30:00 PM	975						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCHF.fx	3:30:00 PM	976						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCZK	9:30:00 AM	977						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCZK	11:30:00 AM	978						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCZK	1:30:00 PM	979						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDCZK	3:30:00 PM	980						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDDKK	9:30:00 AM	981						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDDKK	11:30:00 AM	982						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDDKK	1:30:00 PM	983						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDDKK	3:30:00 PM	984						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHKD	9:30:00 AM	985						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHKD	11:30:00 AM	986						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHKD	1:30:00 PM	987						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHKD	3:30:00 PM	988						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHUF	9:30:00 AM	989						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHUF	11:30:00 AM	990						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHUF	1:30:00 PM	991						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDHUF	3:30:00 PM	992						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY	9:30:00 AM	993						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY	11:30:00 AM	994						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY	1:30:00 PM	995						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY	3:30:00 PM	996						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY.fx	9:30:00 AM	997						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	NZDJPY.fx	11:30:00 AM	998						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY.fx	1:30:00 PM	999						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDJPY.fx	3:30:00 PM	1000						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDMXN	9:30:00 AM	1001						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDMXN	11:30:00 AM	1002						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDMXN	1:30:00 PM	1003						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDMXN	3:30:00 PM	1004						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDNOK	9:30:00 AM	1005						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDNOK	11:30:00 AM	1006						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDNOK	1:30:00 PM	1007						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDNOK	3:30:00 PM	1008						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDPLN	9:30:00 AM	1009						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDPLN	11:30:00 AM	1010						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDPLN	1:30:00 PM	1011						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDPLN	3:30:00 PM	1012						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSEK	9:30:00 AM	1013						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSEK	11:30:00 AM	1014						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSEK	1:30:00 PM	1015						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSEK	3:30:00 PM	1016						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD	9:30:00 AM	1017						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD	11:30:00 AM	1018						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD	1:30:00 PM	1019						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD	3:30:00 PM	1020						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD.fx	9:30:00 AM	1021						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD.fx	11:30:00 AM	1022						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD.fx	1:30:00 PM	1023						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDSGD.fx	3:30:00 PM	1024						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD	9:30:00 AM	1025						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD	11:30:00 AM	1026						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD	1:30:00 PM	1027						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD	3:30:00 PM	1028						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD.fx	9:30:00 AM	1029						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD.fx	11:30:00 AM	1030						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDUSD.fx	1:30:00 PM	1031						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	NZDUSD.fx	3:30:00 PM	1032						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDZAR	9:30:00 AM	1033						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDZAR	11:30:00 AM	1034						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDZAR	1:30:00 PM	1035						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	NZDZAR	3:30:00 PM	1036						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY	9:30:00 AM	1037						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY	11:30:00 AM	1038						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY	1:30:00 PM	1039						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY	3:30:00 PM	1040						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY.fx	9:30:00 AM	1041						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY.fx	11:30:00 AM	1042						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY.fx	1:30:00 PM	1043						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SEKJPY.fx	3:30:00 PM	1044						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SGDJPY	9:30:00 AM	1045						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SGDJPY	11:30:00 AM	1046						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SGDJPY	1:30:00 PM	1047						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SGDJPY	3:30:00 PM	1048						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SILVER	9:30:00 AM	1049						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SILVER	11:30:00 AM	1050						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SILVER	1:30:00 PM	1051						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SILVER	3:30:00 PM	1052						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SPX500.i	9:30:00 AM	1053						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SPX500.i	11:30:00 AM	1054						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SPX500.i	1:30:00 PM	1055						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	SPX500.i	3:30:00 PM	1056						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	UK100.i	9:30:00 AM	1057						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	UK100.i	11:30:00 AM	1058						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	UK100.i	1:30:00 PM	1059						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	UK100.i	3:30:00 PM	1060						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD	9:30:00 AM	1061						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD	11:30:00 AM	1062						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD	1:30:00 PM	1063						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD	3:30:00 PM	1064						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD.fx	9:30:00 AM	1065						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	USDCAD.fx	11:30:00 AM	1066						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD.fx	1:30:00 PM	1067						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCAD.fx	3:30:00 PM	1068						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF	9:30:00 AM	1069						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF	11:30:00 AM	1070						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF	1:30:00 PM	1071						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF	3:30:00 PM	1072						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF.fx	9:30:00 AM	1073						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF.fx	11:30:00 AM	1074						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF.fx	1:30:00 PM	1075						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCHF.fx	3:30:00 PM	1076						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK	9:30:00 AM	1077						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK	11:30:00 AM	1078						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK	1:30:00 PM	1079						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK	3:30:00 PM	1080						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK.fx	9:30:00 AM	1081						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK.fx	11:30:00 AM	1082						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK.fx	1:30:00 PM	1083						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDCZK.fx	3:30:00 PM	1084						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK	9:30:00 AM	1085						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK	11:30:00 AM	1086						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK	1:30:00 PM	1087						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK	3:30:00 PM	1088						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK.fx	9:30:00 AM	1089						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK.fx	11:30:00 AM	1090						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK.fx	1:30:00 PM	1091						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDDKK.fx	3:30:00 PM	1092						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD	9:30:00 AM	1093						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD	11:30:00 AM	1094						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD	1:30:00 PM	1095						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD	3:30:00 PM	1096						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD.fx	9:30:00 AM	1097						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD.fx	11:30:00 AM	1098						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHKD.fx	1:30:00 PM	1099						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	USDHKD.fx	3:30:00 PM	1100						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF	9:30:00 AM	1101						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF	11:30:00 AM	1102						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF	1:30:00 PM	1103						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF	3:30:00 PM	1104						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF.fx	9:30:00 AM	1105						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF.fx	11:30:00 AM	1106						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF.fx	1:30:00 PM	1107						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDHUF.fx	3:30:00 PM	1108						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDINR	9:30:00 AM	1109						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDINR	11:30:00 AM	1110						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDINR	1:30:00 PM	1111						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDINR	3:30:00 PM	1112						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY	9:30:00 AM	1113						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY	11:30:00 AM	1114						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY	1:30:00 PM	1115						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY	3:30:00 PM	1116						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY.fx	9:30:00 AM	1117						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY.fx	11:30:00 AM	1118						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY.fx	1:30:00 PM	1119						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDJPY.fx	3:30:00 PM	1120						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDMXN	9:30:00 AM	1121						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDMXN	11:30:00 AM	1122						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDMXN	1:30:00 PM	1123						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDMXN	3:30:00 PM	1124						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JSDMXN.fx	9:30:00 AM	1125						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JSDMXN.fx	11:30:00 AM	1126						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JSDMXN.fx	1:30:00 PM	1127						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	JSDMXN.fx	3:30:00 PM	1128						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK	9:30:00 AM	1129						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK	11:30:00 AM	1130						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK	1:30:00 PM	1131						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK	3:30:00 PM	1132						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK.fx	9:30:00 AM	1133						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	USDNOK.fx	11:30:00 AM	1134						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK.fx	1:30:00 PM	1135						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDNOK.fx	3:30:00 PM	1136						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN	9:30:00 AM	1137						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN	11:30:00 AM	1138						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN	1:30:00 PM	1139						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN	3:30:00 PM	1140						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN.fx	9:30:00 AM	1141						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN.fx	11:30:00 AM	1142						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN.fx	1:30:00 PM	1143						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDPLN.fx	3:30:00 PM	1144						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDRUB	9:30:00 AM	1145						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDRUB	11:30:00 AM	1146						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDRUB	1:30:00 PM	1147						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDRUB	3:30:00 PM	1148						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK	9:30:00 AM	1149						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK	11:30:00 AM	1150						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK	1:30:00 PM	1151						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK	3:30:00 PM	1152						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK.fx	9:30:00 AM	1153						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK.fx	11:30:00 AM	1154						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK.fx	1:30:00 PM	1155						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSEK.fx	3:30:00 PM	1156						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD	9:30:00 AM	1157						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD	11:30:00 AM	1158						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD	1:30:00 PM	1159						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD	3:30:00 PM	1160						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD.fx	9:30:00 AM	1161						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD.fx	11:30:00 AM	1162						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD.fx	1:30:00 PM	1163						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDSGD.fx	3:30:00 PM	1164						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR	9:30:00 AM	1165						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR	11:30:00 AM	1166						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR	1:30:00 PM	1167						Continuous Quote	N/A	ELECTRONIC	N/A

10/1/2019	USDZAR	3:30:00 PM	1168						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR.fx	9:30:00 AM	1169						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR.fx	11:30:00 AM	1170						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR.fx	1:30:00 PM	1171						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	USDZAR.fx	3:30:00 PM	1172						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	XAUUSD	9:30:00 AM	1173						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	XAUUSD	11:30:00 AM	1174						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	XAUUSD	1:30:00 PM	1175						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	XAUUSD	3:30:00 PM	1176						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY	9:30:00 AM	1177						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY	11:30:00 AM	1178						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY	1:30:00 PM	1179						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY	3:30:00 PM	1180						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY.fx	9:30:00 AM	1181						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY.fx	11:30:00 AM	1182						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY.fx	1:30:00 PM	1183						Continuous Quote	N/A	ELECTRONIC	N/A
10/1/2019	ZARJPY.fx	3:30:00 PM	1184						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AA	9:30:00 AM	1185						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AA	11:30:00 AM	1186						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AA	1:30:00 PM	1187						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AA	3:30:00 PM	1188						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AABA	9:30:00 AM	1189						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AABA	11:30:00 AM	1190						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AABA	1:30:00 PM	1191						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AABA	3:30:00 PM	1192						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAL	9:30:00 AM	1193						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAL	11:30:00 AM	1194						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAL	1:30:00 PM	1195						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAL	3:30:00 PM	1196						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAPL	9:30:00 AM	1197						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAPL	11:30:00 AM	1198						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAPL	1:30:00 PM	1199						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AAPL	3:30:00 PM	1200						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ADBE	9:30:00 AM	1201						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	#ADBE	11:30:00 AM	1202						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ADBE	1:30:00 PM	1203						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ADBE	3:30:00 PM	1204						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AIG	9:30:00 AM	1205						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AIG	11:30:00 AM	1206						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AIG	1:30:00 PM	1207						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AIG	3:30:00 PM	1208						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AMD	9:30:00 AM	1209						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#AMD	11:30:00 AM	1210						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#DWDP	11:30:00 AM	1302						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#JNJ	3:30:00 PM	1400						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#KHC	3:30:00 PM	1408						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#Litecoin	11:30:00 AM	1414						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#Litecoin	3:30:00 PM	1416						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#LLOY	3:30:00 PM	1420						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#LNKD	11:30:00 AM	1422						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#LNKD	1:30:00 PM	1423						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#LNKD	3:30:00 PM	1424						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MA	9:30:00 AM	1425						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MA	11:30:00 AM	1426						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MA	1:30:00 PM	1427						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MCD	11:30:00 AM	1430						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MCD	1:30:00 PM	1431						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MCD	3:30:00 PM	1432						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MDLZ	9:30:00 AM	1433						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MDLZ	11:30:00 AM	1434						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MDLZ	1:30:00 PM	1435						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MDLZ	3:30:00 PM	1436						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MGM	9:30:00 AM	1437						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MGM	11:30:00 AM	1438						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MGM	1:30:00 PM	1439						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	#MGM	3:30:00 PM	1440						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MMM	11:30:00 AM	1442						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MMM	1:30:00 PM	1443						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MMM	3:30:00 PM	1444						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MO	11:30:00 AM	1446						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MO	3:30:00 PM	1448						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MON	3:30:00 PM	1452						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MRK	1:30:00 PM	1455						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MRK	3:30:00 PM	1456						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MRVL	11:30:00 AM	1458						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MRVL	3:30:00 PM	1460						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MS	3:30:00 PM	1464						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MSFT	11:30:00 AM	1466						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#MSFT	3:30:00 PM	1468						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MU	9:30:00 AM	1469						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MU	11:30:00 AM	1470						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MU	1:30:00 PM	1471						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#MU	3:30:00 PM	1472						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#NFLX	11:30:00 AM	1474						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#NFLX	3:30:00 PM	1476						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#NG.f	11:30:00 AM	1478						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NG.f	1:30:00 PM	1479						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NG.f	3:30:00 PM	1480						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NKE	9:30:00 AM	1481						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NKE	11:30:00 AM	1482						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#NKE	3:30:00 PM	1484						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NOK	9:30:00 AM	1485						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NOK	11:30:00 AM	1486						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NOK	1:30:00 PM	1487						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NOK	3:30:00 PM	1488						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NTDOY	9:30:00 AM	1489						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NTDOY	11:30:00 AM	1490						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NTDOY	1:30:00 PM	1491						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#NTDOY	3:30:00 PM	1492						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ORAN	9:30:00 AM	1493						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#ORAN	3:30:00 PM	1496						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#PEP	9:30:00 AM	1505						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#PEP	11:30:00 AM	1506						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#PEP	3:30:00 PM	1508						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#PFE	11:30:00 AM	1510						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#PG	11:30:00 AM	1514						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#POT	9:30:00 AM	1517						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#POT	11:30:00 AM	1518						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#POT	1:30:00 PM	1519						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#POT	3:30:00 PM	1520						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#QCOM	1:30:00 PM	1523						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#QCOM	3:30:00 PM	1524						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#QQQ	3:30:00 PM	1528						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#Ripple	11:30:00 AM	1530						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#Ripple	1:30:00 PM	1531						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#Ripple	3:30:00 PM	1532						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#S	9:30:00 AM	1533						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#S	11:30:00 AM	1534						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#S	1:30:00 PM	1535						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#S	3:30:00 PM	1536						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#SBUX	9:30:00 AM	1537						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#SBUX	11:30:00 AM	1538						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#SBUX	1:30:00 PM	1539						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#SBUX	3:30:00 PM	1540						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#SNE	3:30:00 PM	1544						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#SPY	11:30:00 AM	1546						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#TEVA	9:30:00 AM	1553						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#TEVA	3:30:00 PM	1556						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#TWTR	11:30:00 AM	1574						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#TWTR	3:30:00 PM	1576						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#UTX	3:30:00 PM	1592						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#V	9:30:00 AM	1593						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#V	11:30:00 AM	1594						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#V	1:30:00 PM	1595						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#V	3:30:00 PM	1596						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#VOD	9:30:00 AM	1597						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#VOD	11:30:00 AM	1598						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#VZ	9:30:00 AM	1601						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#VZ	1:30:00 PM	1603						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#WDC	11:30:00 AM	1606						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#WDC	3:30:00 PM	1608						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#WFC	11:30:00 AM	1610						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	#WFC	3:30:00 PM	1612						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#WMT	9:30:00 AM	1613						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#WMT	11:30:00 AM	1614						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#WMT	1:30:00 PM	1615						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#WMT	3:30:00 PM	1616						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#XOM	9:30:00 AM	1617						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#XOM	11:30:00 AM	1618						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#XOM	1:30:00 PM	1619						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#XOM	3:30:00 PM	1620						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#YHOO	9:30:00 AM	1621						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#YHOO	11:30:00 AM	1622						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#YHOO	1:30:00 PM	1623						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#YHOO	3:30:00 PM	1624						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ZNGA	9:30:00 AM	1625						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ZNGA	11:30:00 AM	1626						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ZNGA	1:30:00 PM	1627						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	#ZNGA	3:30:00 PM	1628						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD	9:30:00 AM	1629						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD	11:30:00 AM	1630						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD	1:30:00 PM	1631						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD	3:30:00 PM	1632						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD.fx	9:30:00 AM	1633						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD.fx	11:30:00 AM	1634						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD.fx	1:30:00 PM	1635						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCAD.fx	3:30:00 PM	1636						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF	9:30:00 AM	1637						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF	11:30:00 AM	1638						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF	1:30:00 PM	1639						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF	3:30:00 PM	1640						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF.fx	9:30:00 AM	1641						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF.fx	11:30:00 AM	1642						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCHF.fx	1:30:00 PM	1643						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	AUDCHF.fx	3:30:00 PM	1644						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCZK	9:30:00 AM	1645						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCZK	11:30:00 AM	1646						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCZK	1:30:00 PM	1647						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDCZK	3:30:00 PM	1648						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDDKK	9:30:00 AM	1649						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDDKK	11:30:00 AM	1650						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDDKK	1:30:00 PM	1651						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDDKK	3:30:00 PM	1652						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHKD	9:30:00 AM	1653						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHKD	11:30:00 AM	1654						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHKD	1:30:00 PM	1655						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHKD	3:30:00 PM	1656						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHUF	9:30:00 AM	1657						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHUF	11:30:00 AM	1658						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHUF	1:30:00 PM	1659						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDHUF	3:30:00 PM	1660						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY	9:30:00 AM	1661						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY	11:30:00 AM	1662						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY	1:30:00 PM	1663						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY	3:30:00 PM	1664						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY.fx	9:30:00 AM	1665						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY.fx	11:30:00 AM	1666						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY.fx	1:30:00 PM	1667						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDJPY.fx	3:30:00 PM	1668						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDMXN	9:30:00 AM	1669						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDMXN	11:30:00 AM	1670						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDMXN	1:30:00 PM	1671						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDMXN	3:30:00 PM	1672						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK	9:30:00 AM	1673						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK	11:30:00 AM	1674						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK	1:30:00 PM	1675						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK	3:30:00 PM	1676						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK.fx	9:30:00 AM	1677						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	AUDNOK.fx	11:30:00 AM	1678						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK.fx	1:30:00 PM	1679						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNOK.fx	3:30:00 PM	1680						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD	9:30:00 AM	1681						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD	11:30:00 AM	1682						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD	1:30:00 PM	1683						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD	3:30:00 PM	1684						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD.fx	9:30:00 AM	1685						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD.fx	11:30:00 AM	1686						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD.fx	1:30:00 PM	1687						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDNZD.fx	3:30:00 PM	1688						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDPLN	9:30:00 AM	1689						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDPLN	11:30:00 AM	1690						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDPLN	1:30:00 PM	1691						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDPLN	3:30:00 PM	1692						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK	9:30:00 AM	1693						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK	11:30:00 AM	1694						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK	1:30:00 PM	1695						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK	3:30:00 PM	1696						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK.fx	9:30:00 AM	1697						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK.fx	11:30:00 AM	1698						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK.fx	1:30:00 PM	1699						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSEK.fx	3:30:00 PM	1700						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD	9:30:00 AM	1701						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD	11:30:00 AM	1702						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD	1:30:00 PM	1703						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD	3:30:00 PM	1704						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD.fx	9:30:00 AM	1705						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD.fx	11:30:00 AM	1706						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD.fx	1:30:00 PM	1707						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDSGD.fx	3:30:00 PM	1708						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD	9:30:00 AM	1709						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD	11:30:00 AM	1710						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD	1:30:00 PM	1711						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	AUDUSD	3:30:00 PM	1712						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD.fx	9:30:00 AM	1713						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD.fx	11:30:00 AM	1714						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD.fx	1:30:00 PM	1715						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDUSD.fx	3:30:00 PM	1716						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDZAR	9:30:00 AM	1717						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDZAR	11:30:00 AM	1718						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDZAR	1:30:00 PM	1719						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUDZAR	3:30:00 PM	1720						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUS200.i	9:30:00 AM	1721						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUS200.i	11:30:00 AM	1722						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUS200.i	1:30:00 PM	1723						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	AUS200.i	3:30:00 PM	1724						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	BCHUSD	9:30:00 AM	1725						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	BCHUSD	11:30:00 AM	1726						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	BCHUSD	1:30:00 PM	1727						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	BCHUSD	3:30:00 PM	1728						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF	9:30:00 AM	1729						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF	11:30:00 AM	1730						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF	1:30:00 PM	1731						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF	3:30:00 PM	1732						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF.fx	9:30:00 AM	1733						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF.fx	11:30:00 AM	1734						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF.fx	1:30:00 PM	1735						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCHF.fx	3:30:00 PM	1736						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCZK	9:30:00 AM	1737						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCZK	11:30:00 AM	1738						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCZK	1:30:00 PM	1739						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADCZK	3:30:00 PM	1740						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADDKK	9:30:00 AM	1741						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADDKK	11:30:00 AM	1742						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADDKK	1:30:00 PM	1743						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADDKK	3:30:00 PM	1744						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHKD	9:30:00 AM	1745						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	CADHKD	11:30:00 AM	1746						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHKD	1:30:00 PM	1747						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHKD	3:30:00 PM	1748						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHUF	9:30:00 AM	1749						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHUF	11:30:00 AM	1750						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHUF	1:30:00 PM	1751						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADHUF	3:30:00 PM	1752						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY	9:30:00 AM	1753						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY	11:30:00 AM	1754						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY	1:30:00 PM	1755						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY	3:30:00 PM	1756						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY.fx	9:30:00 AM	1757						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY.fx	11:30:00 AM	1758						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY.fx	1:30:00 PM	1759						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADJPY.fx	3:30:00 PM	1760						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADMXN	9:30:00 AM	1761						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADMXN	11:30:00 AM	1762						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADMXN	1:30:00 PM	1763						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADMXN	3:30:00 PM	1764						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADNOK	9:30:00 AM	1765						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADNOK	11:30:00 AM	1766						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADNOK	1:30:00 PM	1767						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADNOK	3:30:00 PM	1768						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADPLN	9:30:00 AM	1769						Continuous Quote	N/A	ELECTRONIC	N/A
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10/2/2019	CADPLN	1:30:00 PM	1771						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADPLN	3:30:00 PM	1772						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSEK	9:30:00 AM	1773						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSEK	11:30:00 AM	1774						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSEK	1:30:00 PM	1775						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSEK	3:30:00 PM	1776						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSGD	9:30:00 AM	1777						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSGD	11:30:00 AM	1778						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADSGD	1:30:00 PM	1779						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	CADSGD	3:30:00 PM	1780						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADZAR	9:30:00 AM	1781						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADZAR	11:30:00 AM	1782						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADZAR	1:30:00 PM	1783						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CADZAR	3:30:00 PM	1784						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFCZK	9:30:00 AM	1785						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFCZK	11:30:00 AM	1786						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFCZK	1:30:00 PM	1787						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFCZK	3:30:00 PM	1788						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK	9:30:00 AM	1789						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK	11:30:00 AM	1790						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK	1:30:00 PM	1791						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK	3:30:00 PM	1792						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK.fx	9:30:00 AM	1793						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK.fx	11:30:00 AM	1794						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK.fx	1:30:00 PM	1795						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFDKK.fx	3:30:00 PM	1796						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHKD	9:30:00 AM	1797						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHKD	11:30:00 AM	1798						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHKD	1:30:00 PM	1799						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHKD	3:30:00 PM	1800						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHUF	9:30:00 AM	1801						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHUF	11:30:00 AM	1802						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHUF	1:30:00 PM	1803						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFHUF	3:30:00 PM	1804						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY	9:30:00 AM	1805						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY	11:30:00 AM	1806						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY	1:30:00 PM	1807						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY	3:30:00 PM	1808						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY.fx	9:30:00 AM	1809						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY.fx	11:30:00 AM	1810						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY.fx	1:30:00 PM	1811						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFJPY.fx	3:30:00 PM	1812						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFMXN	9:30:00 AM	1813						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	CHFMXN	11:30:00 AM	1814						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFMXN	1:30:00 PM	1815						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFMXN	3:30:00 PM	1816						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK	9:30:00 AM	1817						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK	11:30:00 AM	1818						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK	1:30:00 PM	1819						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK	3:30:00 PM	1820						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK.fx	9:30:00 AM	1821						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK.fx	11:30:00 AM	1822						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK.fx	1:30:00 PM	1823						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFNOK.fx	3:30:00 PM	1824						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN	9:30:00 AM	1825						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN	11:30:00 AM	1826						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN	1:30:00 PM	1827						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN	3:30:00 PM	1828						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN.fx	9:30:00 AM	1829						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN.fx	11:30:00 AM	1830						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN.fx	1:30:00 PM	1831						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFPLN.fx	3:30:00 PM	1832						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSEK	9:30:00 AM	1833						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSEK	11:30:00 AM	1834						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSEK	1:30:00 PM	1835						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSEK	3:30:00 PM	1836						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD	9:30:00 AM	1837						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD	11:30:00 AM	1838						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD	1:30:00 PM	1839						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD	3:30:00 PM	1840						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD.fx	9:30:00 AM	1841						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD.fx	11:30:00 AM	1842						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD.fx	1:30:00 PM	1843						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFSGD.fx	3:30:00 PM	1844						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFZAR	9:30:00 AM	1845						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFZAR	11:30:00 AM	1846						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CHFZAR	1:30:00 PM	1847						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	CHFZAR	3:30:00 PM	1848						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CZKJPY	9:30:00 AM	1849						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CZKJPY	11:30:00 AM	1850						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CZKJPY	1:30:00 PM	1851						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	CZKJPY	3:30:00 PM	1852						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DAX30.i	9:30:00 AM	1853						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DAX30.i	11:30:00 AM	1854						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DAX30.i	1:30:00 PM	1855						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DAX30.i	3:30:00 PM	1856						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DJ30.i	9:30:00 AM	1857						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DJ30.i	11:30:00 AM	1858						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DJ30.i	1:30:00 PM	1859						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DJ30.i	3:30:00 PM	1860						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DKKJPY	9:30:00 AM	1861						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DKKJPY	11:30:00 AM	1862						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DKKJPY	1:30:00 PM	1863						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	DKKJPY	3:30:00 PM	1864						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD	9:30:00 AM	1865						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD	11:30:00 AM	1866						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD	1:30:00 PM	1867						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD	3:30:00 PM	1868						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD.fx	9:30:00 AM	1869						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD.fx	11:30:00 AM	1870						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD.fx	1:30:00 PM	1871						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURAUD.fx	3:30:00 PM	1872						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD	9:30:00 AM	1873						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD	11:30:00 AM	1874						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD	1:30:00 PM	1875						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD	3:30:00 PM	1876						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD.fx	9:30:00 AM	1877						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD.fx	11:30:00 AM	1878						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD.fx	1:30:00 PM	1879						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCAD.fx	3:30:00 PM	1880						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF	9:30:00 AM	1881						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	EURCHF	11:30:00 AM	1882						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF	1:30:00 PM	1883						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF	3:30:00 PM	1884						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF.fx	9:30:00 AM	1885						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF.fx	11:30:00 AM	1886						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF.fx	1:30:00 PM	1887						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCHF.fx	3:30:00 PM	1888						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCZK	9:30:00 AM	1889						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCZK	11:30:00 AM	1890						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCZK	1:30:00 PM	1891						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURCZK	3:30:00 PM	1892						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURDKK	9:30:00 AM	1893						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURDKK	11:30:00 AM	1894						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURDKK	1:30:00 PM	1895						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURDKK	3:30:00 PM	1896						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP	9:30:00 AM	1897						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP	11:30:00 AM	1898						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP	1:30:00 PM	1899						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP	3:30:00 PM	1900						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP.fx	9:30:00 AM	1901						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP.fx	11:30:00 AM	1902						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP.fx	1:30:00 PM	1903						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURGBP.fx	3:30:00 PM	1904						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD	9:30:00 AM	1905						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD	11:30:00 AM	1906						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD	1:30:00 PM	1907						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD	3:30:00 PM	1908						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD.fx	9:30:00 AM	1909						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD.fx	11:30:00 AM	1910						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD.fx	1:30:00 PM	1911						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHKD.fx	3:30:00 PM	1912						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF	9:30:00 AM	1913						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF	11:30:00 AM	1914						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF	1:30:00 PM	1915						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	EURHUF	3:30:00 PM	1916						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF.fx	9:30:00 AM	1917						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF.fx	11:30:00 AM	1918						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF.fx	1:30:00 PM	1919						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURHUF.fx	3:30:00 PM	1920						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY	9:30:00 AM	1921						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY	11:30:00 AM	1922						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY	1:30:00 PM	1923						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY	3:30:00 PM	1924						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY.fx	9:30:00 AM	1925						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY.fx	11:30:00 AM	1926						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY.fx	1:30:00 PM	1927						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURJPY.fx	3:30:00 PM	1928						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN	9:30:00 AM	1929						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN	11:30:00 AM	1930						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN	1:30:00 PM	1931						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN	3:30:00 PM	1932						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN.fx	9:30:00 AM	1933						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN.fx	11:30:00 AM	1934						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN.fx	1:30:00 PM	1935						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURMXN.fx	3:30:00 PM	1936						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK	9:30:00 AM	1937						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK	11:30:00 AM	1938						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK	1:30:00 PM	1939						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK	3:30:00 PM	1940						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK.fx	9:30:00 AM	1941						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK.fx	11:30:00 AM	1942						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK.fx	1:30:00 PM	1943						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNOK.fx	3:30:00 PM	1944						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD	9:30:00 AM	1945						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD	11:30:00 AM	1946						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD	1:30:00 PM	1947						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD	3:30:00 PM	1948						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD.fx	9:30:00 AM	1949						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	EURNZD.fx	11:30:00 AM	1950						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD.fx	1:30:00 PM	1951						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURNZD.fx	3:30:00 PM	1952						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN	9:30:00 AM	1953						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN	11:30:00 AM	1954						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN	1:30:00 PM	1955						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN	3:30:00 PM	1956						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN.fx	9:30:00 AM	1957						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN.fx	11:30:00 AM	1958						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN.fx	1:30:00 PM	1959						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURPLN.fx	3:30:00 PM	1960						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURRUB	9:30:00 AM	1961						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURRUB	11:30:00 AM	1962						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURRUB	1:30:00 PM	1963						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURRUB	3:30:00 PM	1964						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK	9:30:00 AM	1965						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK	11:30:00 AM	1966						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK	1:30:00 PM	1967						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK	3:30:00 PM	1968						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK.fx	9:30:00 AM	1969						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK.fx	11:30:00 AM	1970						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK.fx	1:30:00 PM	1971						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSEK.fx	3:30:00 PM	1972						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD	9:30:00 AM	1973						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD	11:30:00 AM	1974						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD	1:30:00 PM	1975						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD	3:30:00 PM	1976						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD.fx	9:30:00 AM	1977						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD.fx	11:30:00 AM	1978						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD.fx	1:30:00 PM	1979						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURSGD.fx	3:30:00 PM	1980						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD	9:30:00 AM	1981						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD	11:30:00 AM	1982						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD	1:30:00 PM	1983						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	EURUSD	3:30:00 PM	1984						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD.fx	9:30:00 AM	1985						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD.fx	11:30:00 AM	1986						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD.fx	1:30:00 PM	1987						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURUSD.fx	3:30:00 PM	1988						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR	9:30:00 AM	1989						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR	11:30:00 AM	1990						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR	1:30:00 PM	1991						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR	3:30:00 PM	1992						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR.fx	9:30:00 AM	1993						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR.fx	11:30:00 AM	1994						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR.fx	1:30:00 PM	1995						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	EURZAR.fx	3:30:00 PM	1996						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD	9:30:00 AM	1997						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD	11:30:00 AM	1998						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD	1:30:00 PM	1999						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD	3:30:00 PM	2000						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD.fx	9:30:00 AM	2001						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD.fx	11:30:00 AM	2002						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD.fx	1:30:00 PM	2003						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPAUD.fx	3:30:00 PM	2004						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD	9:30:00 AM	2005						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD	11:30:00 AM	2006						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD	1:30:00 PM	2007						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD	3:30:00 PM	2008						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD.fx	9:30:00 AM	2009						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD.fx	11:30:00 AM	2010						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD.fx	1:30:00 PM	2011						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCAD.fx	3:30:00 PM	2012						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF	9:30:00 AM	2013						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF	11:30:00 AM	2014						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF	1:30:00 PM	2015						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF	3:30:00 PM	2016						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF.fx	9:30:00 AM	2017						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	GBPCHF.fx	11:30:00 AM	2018						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF.fx	1:30:00 PM	2019						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCHF.fx	3:30:00 PM	2020						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCZK	9:30:00 AM	2021						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCZK	11:30:00 AM	2022						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCZK	1:30:00 PM	2023						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPCZK	3:30:00 PM	2024						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK	9:30:00 AM	2025						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK	11:30:00 AM	2026						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK	1:30:00 PM	2027						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK	3:30:00 PM	2028						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK.fx	9:30:00 AM	2029						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK.fx	11:30:00 AM	2030						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK.fx	1:30:00 PM	2031						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPDKK.fx	3:30:00 PM	2032						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHKD	9:30:00 AM	2033						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHKD	11:30:00 AM	2034						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHKD	1:30:00 PM	2035						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHKD	3:30:00 PM	2036						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHUF	9:30:00 AM	2037						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHUF	11:30:00 AM	2038						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHUF	1:30:00 PM	2039						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPHUF	3:30:00 PM	2040						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY	9:30:00 AM	2041						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY	11:30:00 AM	2042						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY	1:30:00 PM	2043						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY	3:30:00 PM	2044						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY.fx	9:30:00 AM	2045						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY.fx	11:30:00 AM	2046						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY.fx	1:30:00 PM	2047						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPJPY.fx	3:30:00 PM	2048						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPMXN	9:30:00 AM	2049						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPMXN	11:30:00 AM	2050						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPMXN	1:30:00 PM	2051						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	GBPMXN	3:30:00 PM	2052						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK	9:30:00 AM	2053						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK	11:30:00 AM	2054						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK	1:30:00 PM	2055						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK	3:30:00 PM	2056						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK.fx	9:30:00 AM	2057						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK.fx	11:30:00 AM	2058						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK.fx	1:30:00 PM	2059						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNOK.fx	3:30:00 PM	2060						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD	9:30:00 AM	2061						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD	11:30:00 AM	2062						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD	1:30:00 PM	2063						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD	3:30:00 PM	2064						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD.fx	9:30:00 AM	2065						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD.fx	11:30:00 AM	2066						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD.fx	1:30:00 PM	2067						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPNZD.fx	3:30:00 PM	2068						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN	9:30:00 AM	2069						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN	11:30:00 AM	2070						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN	1:30:00 PM	2071						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN	3:30:00 PM	2072						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN.fx	9:30:00 AM	2073						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN.fx	11:30:00 AM	2074						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN.fx	1:30:00 PM	2075						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPPLN.fx	3:30:00 PM	2076						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK	9:30:00 AM	2077						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK	11:30:00 AM	2078						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK	1:30:00 PM	2079						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK	3:30:00 PM	2080						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK.fx	9:30:00 AM	2081						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK.fx	11:30:00 AM	2082						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK.fx	1:30:00 PM	2083						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSEK.fx	3:30:00 PM	2084						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD	9:30:00 AM	2085						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	GBPSGD	11:30:00 AM	2086						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD	1:30:00 PM	2087						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD	3:30:00 PM	2088						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD.fx	9:30:00 AM	2089						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD.fx	11:30:00 AM	2090						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD.fx	1:30:00 PM	2091						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPSGD.fx	3:30:00 PM	2092						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD	9:30:00 AM	2093						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD	11:30:00 AM	2094						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD	1:30:00 PM	2095						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD	3:30:00 PM	2096						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD.fx	9:30:00 AM	2097						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD.fx	11:30:00 AM	2098						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD.fx	1:30:00 PM	2099						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPUSD.fx	3:30:00 PM	2100						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR	9:30:00 AM	2101						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR	11:30:00 AM	2102						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR	1:30:00 PM	2103						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR	3:30:00 PM	2104						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR.fx	9:30:00 AM	2105						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR.fx	11:30:00 AM	2106						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR.fx	1:30:00 PM	2107						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GBPZAR.fx	3:30:00 PM	2108						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GOLD	9:30:00 AM	2109						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GOLD	11:30:00 AM	2110						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GOLD	1:30:00 PM	2111						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	GOLD	3:30:00 PM	2112						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY	9:30:00 AM	2113						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY	11:30:00 AM	2114						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY	1:30:00 PM	2115						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY	3:30:00 PM	2116						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY.fx	9:30:00 AM	2117						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY.fx	11:30:00 AM	2118						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HKDJPY.fx	1:30:00 PM	2119						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	HKDJPY.fx	3:30:00 PM	2120						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HUFJPY	9:30:00 AM	2121						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HUFJPY	11:30:00 AM	2122						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HUFJPY	1:30:00 PM	2123						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	HUFJPY	3:30:00 PM	2124						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JP225.i	9:30:00 AM	2125						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JP225.i	11:30:00 AM	2126						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JP225.i	1:30:00 PM	2127						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JP225.i	3:30:00 PM	2128						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	MXNJPY	9:30:00 AM	2129						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	MXNJPY	11:30:00 AM	2130						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	MXNJPY	1:30:00 PM	2131						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	MXNJPY	3:30:00 PM	2132						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NASDAQ.i	9:30:00 AM	2133						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NASDAQ.i	11:30:00 AM	2134						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NASDAQ.i	1:30:00 PM	2135						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NASDAQ.i	3:30:00 PM	2136						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY	9:30:00 AM	2137						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY	11:30:00 AM	2138						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY	1:30:00 PM	2139						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY	3:30:00 PM	2140						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY.fx	9:30:00 AM	2141						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY.fx	11:30:00 AM	2142						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY.fx	1:30:00 PM	2143						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NOKJPY.fx	3:30:00 PM	2144						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD	9:30:00 AM	2145						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD	11:30:00 AM	2146						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD	1:30:00 PM	2147						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD	3:30:00 PM	2148						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD.fx	9:30:00 AM	2149						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD.fx	11:30:00 AM	2150						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD.fx	1:30:00 PM	2151						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCAD.fx	3:30:00 PM	2152						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF	9:30:00 AM	2153						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	NZDCHF	11:30:00 AM	2154						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF	1:30:00 PM	2155						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF	3:30:00 PM	2156						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF.fx	9:30:00 AM	2157						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF.fx	11:30:00 AM	2158						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF.fx	1:30:00 PM	2159						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCHF.fx	3:30:00 PM	2160						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCZK	9:30:00 AM	2161						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCZK	11:30:00 AM	2162						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCZK	1:30:00 PM	2163						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDCZK	3:30:00 PM	2164						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDDKK	9:30:00 AM	2165						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDDKK	11:30:00 AM	2166						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDDKK	1:30:00 PM	2167						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDDKK	3:30:00 PM	2168						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHKD	9:30:00 AM	2169						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHKD	11:30:00 AM	2170						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHKD	1:30:00 PM	2171						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHKD	3:30:00 PM	2172						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHUF	9:30:00 AM	2173						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHUF	11:30:00 AM	2174						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHUF	1:30:00 PM	2175						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDHUF	3:30:00 PM	2176						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY	9:30:00 AM	2177						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY	11:30:00 AM	2178						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY	1:30:00 PM	2179						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY	3:30:00 PM	2180						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY.fx	9:30:00 AM	2181						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY.fx	11:30:00 AM	2182						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY.fx	1:30:00 PM	2183						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDJPY.fx	3:30:00 PM	2184						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDMXN	9:30:00 AM	2185						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDMXN	11:30:00 AM	2186						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDMXN	1:30:00 PM	2187						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	NZDMXN	3:30:00 PM	2188						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDNOK	9:30:00 AM	2189						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDNOK	11:30:00 AM	2190						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDNOK	1:30:00 PM	2191						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDNOK	3:30:00 PM	2192						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDPLN	9:30:00 AM	2193						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDPLN	11:30:00 AM	2194						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDPLN	1:30:00 PM	2195						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDPLN	3:30:00 PM	2196						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSEK	9:30:00 AM	2197						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSEK	11:30:00 AM	2198						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSEK	1:30:00 PM	2199						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSEK	3:30:00 PM	2200						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD	9:30:00 AM	2201						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD	11:30:00 AM	2202						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD	1:30:00 PM	2203						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD	3:30:00 PM	2204						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD.fx	9:30:00 AM	2205						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD.fx	11:30:00 AM	2206						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD.fx	1:30:00 PM	2207						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDSGD.fx	3:30:00 PM	2208						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD	9:30:00 AM	2209						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD	11:30:00 AM	2210						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD	1:30:00 PM	2211						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD	3:30:00 PM	2212						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD.fx	9:30:00 AM	2213						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD.fx	11:30:00 AM	2214						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD.fx	1:30:00 PM	2215						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDUSD.fx	3:30:00 PM	2216						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDZAR	9:30:00 AM	2217						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDZAR	11:30:00 AM	2218						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDZAR	1:30:00 PM	2219						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	NZDZAR	3:30:00 PM	2220						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY	9:30:00 AM	2221						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	SEKJPY	11:30:00 AM	2222						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY	1:30:00 PM	2223						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY	3:30:00 PM	2224						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY.fx	9:30:00 AM	2225						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY.fx	11:30:00 AM	2226						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY.fx	1:30:00 PM	2227						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SEKJPY.fx	3:30:00 PM	2228						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SGDJPY	9:30:00 AM	2229						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SGDJPY	11:30:00 AM	2230						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SGDJPY	1:30:00 PM	2231						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SGDJPY	3:30:00 PM	2232						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SILVER	9:30:00 AM	2233						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SILVER	11:30:00 AM	2234						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SILVER	1:30:00 PM	2235						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SILVER	3:30:00 PM	2236						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SPX500.i	9:30:00 AM	2237						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SPX500.i	11:30:00 AM	2238						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SPX500.i	1:30:00 PM	2239						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	SPX500.i	3:30:00 PM	2240						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	UK100.i	9:30:00 AM	2241						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	UK100.i	11:30:00 AM	2242						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	UK100.i	1:30:00 PM	2243						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	UK100.i	3:30:00 PM	2244						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD	9:30:00 AM	2245						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD	11:30:00 AM	2246						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD	1:30:00 PM	2247						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD	3:30:00 PM	2248						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD.fx	9:30:00 AM	2249						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD.fx	11:30:00 AM	2250						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD.fx	1:30:00 PM	2251						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCAD.fx	3:30:00 PM	2252						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF	9:30:00 AM	2253						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF	11:30:00 AM	2254						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF	1:30:00 PM	2255						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	USDCHF	3:30:00 PM	2256						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF.fx	9:30:00 AM	2257						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF.fx	11:30:00 AM	2258						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF.fx	1:30:00 PM	2259						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCHF.fx	3:30:00 PM	2260						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK	9:30:00 AM	2261						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK	11:30:00 AM	2262						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK	1:30:00 PM	2263						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK	3:30:00 PM	2264						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK.fx	9:30:00 AM	2265						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK.fx	11:30:00 AM	2266						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK.fx	1:30:00 PM	2267						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDCZK.fx	3:30:00 PM	2268						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK	9:30:00 AM	2269						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK	11:30:00 AM	2270						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK	1:30:00 PM	2271						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK	3:30:00 PM	2272						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK.fx	9:30:00 AM	2273						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK.fx	11:30:00 AM	2274						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK.fx	1:30:00 PM	2275						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDDKK.fx	3:30:00 PM	2276						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD	9:30:00 AM	2277						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD	11:30:00 AM	2278						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD	1:30:00 PM	2279						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD	3:30:00 PM	2280						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD.fx	9:30:00 AM	2281						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD.fx	11:30:00 AM	2282						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD.fx	1:30:00 PM	2283						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHKD.fx	3:30:00 PM	2284						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF	9:30:00 AM	2285						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF	11:30:00 AM	2286						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF	1:30:00 PM	2287						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF	3:30:00 PM	2288						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF.fx	9:30:00 AM	2289						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	USDHUF.fx	11:30:00 AM	2290						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF.fx	1:30:00 PM	2291						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDHUF.fx	3:30:00 PM	2292						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDINR	9:30:00 AM	2293						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDINR	11:30:00 AM	2294						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDINR	1:30:00 PM	2295						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDINR	3:30:00 PM	2296						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY	9:30:00 AM	2297						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY	11:30:00 AM	2298						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY	1:30:00 PM	2299						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY	3:30:00 PM	2300						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY.fx	9:30:00 AM	2301						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY.fx	11:30:00 AM	2302						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY.fx	1:30:00 PM	2303						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDJPY.fx	3:30:00 PM	2304						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDMXN	9:30:00 AM	2305						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDMXN	11:30:00 AM	2306						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDMXN	1:30:00 PM	2307						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDMXN	3:30:00 PM	2308						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JSDMXN.fx	9:30:00 AM	2309						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JSDMXN.fx	11:30:00 AM	2310						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JSDMXN.fx	1:30:00 PM	2311						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	JSDMXN.fx	3:30:00 PM	2312						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK	9:30:00 AM	2313						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK	11:30:00 AM	2314						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK	1:30:00 PM	2315						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK	3:30:00 PM	2316						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK.fx	9:30:00 AM	2317						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK.fx	11:30:00 AM	2318						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK.fx	1:30:00 PM	2319						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDNOK.fx	3:30:00 PM	2320						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN	9:30:00 AM	2321						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN	11:30:00 AM	2322						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN	1:30:00 PM	2323						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	USDPLN	3:30:00 PM	2324						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN.fx	9:30:00 AM	2325						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN.fx	11:30:00 AM	2326						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN.fx	1:30:00 PM	2327						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDPLN.fx	3:30:00 PM	2328						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDRUB	9:30:00 AM	2329						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDRUB	11:30:00 AM	2330						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDRUB	1:30:00 PM	2331						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDRUB	3:30:00 PM	2332						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK	9:30:00 AM	2333						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK	11:30:00 AM	2334						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK	1:30:00 PM	2335						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK	3:30:00 PM	2336						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK.fx	9:30:00 AM	2337						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK.fx	11:30:00 AM	2338						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK.fx	1:30:00 PM	2339						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSEK.fx	3:30:00 PM	2340						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD	9:30:00 AM	2341						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD	11:30:00 AM	2342						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD	1:30:00 PM	2343						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD	3:30:00 PM	2344						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD.fx	9:30:00 AM	2345						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD.fx	11:30:00 AM	2346						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD.fx	1:30:00 PM	2347						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDSGD.fx	3:30:00 PM	2348						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR	9:30:00 AM	2349						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR	11:30:00 AM	2350						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR	1:30:00 PM	2351						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR	3:30:00 PM	2352						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR.fx	9:30:00 AM	2353						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR.fx	11:30:00 AM	2354						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR.fx	1:30:00 PM	2355						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	USDZAR.fx	3:30:00 PM	2356						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	XAUUSD	9:30:00 AM	2357						Continuous Quote	N/A	ELECTRONIC	N/A

10/2/2019	XAUUSD	11:30:00 AM	2358						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	XAUUSD	1:30:00 PM	2359						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	XAUUSD	3:30:00 PM	2360						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY	9:30:00 AM	2361						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY	11:30:00 AM	2362						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY	1:30:00 PM	2363						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY	3:30:00 PM	2364						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY.fx	9:30:00 AM	2365						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY.fx	11:30:00 AM	2366						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY.fx	1:30:00 PM	2367						Continuous Quote	N/A	ELECTRONIC	N/A
10/2/2019	ZARJPY.fx	3:30:00 PM	2368						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AA	9:30:00 AM	2369						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AA	11:30:00 AM	2370						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AA	1:30:00 PM	2371						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AA	3:30:00 PM	2372						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AABA	9:30:00 AM	2373						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AABA	11:30:00 AM	2374						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AABA	1:30:00 PM	2375						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AABA	3:30:00 PM	2376						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAL	9:30:00 AM	2377						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAL	11:30:00 AM	2378						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAL	1:30:00 PM	2379						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAL	3:30:00 PM	2380						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAPL	9:30:00 AM	2381						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAPL	11:30:00 AM	2382						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAPL	1:30:00 PM	2383						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AAPL	3:30:00 PM	2384						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ADBE	9:30:00 AM	2385						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ADBE	11:30:00 AM	2386						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ADBE	1:30:00 PM	2387						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ADBE	3:30:00 PM	2388						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AIG	9:30:00 AM	2389						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AIG	11:30:00 AM	2390						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AIG	1:30:00 PM	2391						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	#AIG	3:30:00 PM	2392						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMD	9:30:00 AM	2393						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMD	11:30:00 AM	2394						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMD	1:30:00 PM	2395						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMD	3:30:00 PM	2396						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMZN	9:30:00 AM	2397						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMZN	11:30:00 AM	2398						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMZN	1:30:00 PM	2399						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AMZN	3:30:00 PM	2400						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AXP	9:30:00 AM	2401						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#AXP	11:30:00 AM	2402						Continuous Quote	N/A	ELECTRONIC	N/A
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10/3/2019	#MON	11:30:00 AM	2634						Continuous Quote	N/A	ELECTRONIC	N/A
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10/3/2019	#MU	11:30:00 AM	2654						Continuous Quote	N/A	ELECTRONIC	N/A
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10/3/2019	#NG.f	11:30:00 AM	2662						Continuous Quote	N/A	ELECTRONIC	N/A
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10/3/2019	#YHOO	11:30:00 AM	2806						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#YHOO	1:30:00 PM	2807						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#YHOO	3:30:00 PM	2808						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ZNGA	9:30:00 AM	2809						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ZNGA	11:30:00 AM	2810						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ZNGA	1:30:00 PM	2811						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	#ZNGA	3:30:00 PM	2812						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD	9:30:00 AM	2813						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD	11:30:00 AM	2814						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD	1:30:00 PM	2815						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD	3:30:00 PM	2816						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD.fx	9:30:00 AM	2817						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD.fx	11:30:00 AM	2818						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD.fx	1:30:00 PM	2819						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCAD.fx	3:30:00 PM	2820						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF	9:30:00 AM	2821						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF	11:30:00 AM	2822						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF	1:30:00 PM	2823						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF	3:30:00 PM	2824						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF.fx	9:30:00 AM	2825						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF.fx	11:30:00 AM	2826						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF.fx	1:30:00 PM	2827						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCHF.fx	3:30:00 PM	2828						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCZK	9:30:00 AM	2829						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCZK	11:30:00 AM	2830						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCZK	1:30:00 PM	2831						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDCZK	3:30:00 PM	2832						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDDKK	9:30:00 AM	2833						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	AUDDKK	11:30:00 AM	2834						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDDKK	1:30:00 PM	2835						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDDKK	3:30:00 PM	2836						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHKD	9:30:00 AM	2837						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHKD	11:30:00 AM	2838						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHKD	1:30:00 PM	2839						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHKD	3:30:00 PM	2840						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHUF	9:30:00 AM	2841						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHUF	11:30:00 AM	2842						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHUF	1:30:00 PM	2843						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDHUF	3:30:00 PM	2844						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY	9:30:00 AM	2845						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY	11:30:00 AM	2846						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY	1:30:00 PM	2847						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY	3:30:00 PM	2848						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY.fx	9:30:00 AM	2849						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY.fx	11:30:00 AM	2850						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY.fx	1:30:00 PM	2851						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDJPY.fx	3:30:00 PM	2852						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDMXN	9:30:00 AM	2853						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDMXN	11:30:00 AM	2854						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDMXN	1:30:00 PM	2855						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDMXN	3:30:00 PM	2856						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK	9:30:00 AM	2857						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK	11:30:00 AM	2858						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK	1:30:00 PM	2859						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK	3:30:00 PM	2860						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK.fx	9:30:00 AM	2861						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK.fx	11:30:00 AM	2862						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK.fx	1:30:00 PM	2863						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNOK.fx	3:30:00 PM	2864						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD	9:30:00 AM	2865						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD	11:30:00 AM	2866						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD	1:30:00 PM	2867						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	AUDNZD	3:30:00 PM	2868						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD.fx	9:30:00 AM	2869						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD.fx	11:30:00 AM	2870						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD.fx	1:30:00 PM	2871						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDNZD.fx	3:30:00 PM	2872						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDPLN	9:30:00 AM	2873						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDPLN	11:30:00 AM	2874						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDPLN	1:30:00 PM	2875						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDPLN	3:30:00 PM	2876						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK	9:30:00 AM	2877						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK	11:30:00 AM	2878						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK	1:30:00 PM	2879						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK	3:30:00 PM	2880						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK.fx	9:30:00 AM	2881						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK.fx	11:30:00 AM	2882						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK.fx	1:30:00 PM	2883						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSEK.fx	3:30:00 PM	2884						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD	9:30:00 AM	2885						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD	11:30:00 AM	2886						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD	1:30:00 PM	2887						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD	3:30:00 PM	2888						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD.fx	9:30:00 AM	2889						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD.fx	11:30:00 AM	2890						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD.fx	1:30:00 PM	2891						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDSGD.fx	3:30:00 PM	2892						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD	9:30:00 AM	2893						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD	11:30:00 AM	2894						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD	1:30:00 PM	2895						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD	3:30:00 PM	2896						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD.fx	9:30:00 AM	2897						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD.fx	11:30:00 AM	2898						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD.fx	1:30:00 PM	2899						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDUSD.fx	3:30:00 PM	2900						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDZAR	9:30:00 AM	2901						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	AUDZAR	11:30:00 AM	2902						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDZAR	1:30:00 PM	2903						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUDZAR	3:30:00 PM	2904						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUS200.i	9:30:00 AM	2905						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUS200.i	11:30:00 AM	2906						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUS200.i	1:30:00 PM	2907						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	AUS200.i	3:30:00 PM	2908						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	BCHUSD	9:30:00 AM	2909						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	BCHUSD	11:30:00 AM	2910						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	BCHUSD	1:30:00 PM	2911						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	BCHUSD	3:30:00 PM	2912						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF	9:30:00 AM	2913						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF	11:30:00 AM	2914						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF	1:30:00 PM	2915						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF	3:30:00 PM	2916						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF.fx	9:30:00 AM	2917						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF.fx	11:30:00 AM	2918						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF.fx	1:30:00 PM	2919						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCHF.fx	3:30:00 PM	2920						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCZK	9:30:00 AM	2921						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCZK	11:30:00 AM	2922						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCZK	1:30:00 PM	2923						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADCZK	3:30:00 PM	2924						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADDKK	9:30:00 AM	2925						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADDKK	11:30:00 AM	2926						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADDKK	1:30:00 PM	2927						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADDKK	3:30:00 PM	2928						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHKD	9:30:00 AM	2929						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHKD	11:30:00 AM	2930						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHKD	1:30:00 PM	2931						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHKD	3:30:00 PM	2932						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHUF	9:30:00 AM	2933						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHUF	11:30:00 AM	2934						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADHUF	1:30:00 PM	2935						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	CADHUF	3:30:00 PM	2936						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY	9:30:00 AM	2937						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY	11:30:00 AM	2938						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY	1:30:00 PM	2939						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY	3:30:00 PM	2940						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY.fx	9:30:00 AM	2941						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY.fx	11:30:00 AM	2942						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY.fx	1:30:00 PM	2943						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADJPY.fx	3:30:00 PM	2944						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADMXN	9:30:00 AM	2945						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADMXN	11:30:00 AM	2946						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADMXN	1:30:00 PM	2947						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADMXN	3:30:00 PM	2948						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADNOK	9:30:00 AM	2949						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADNOK	11:30:00 AM	2950						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADNOK	1:30:00 PM	2951						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADNOK	3:30:00 PM	2952						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADPLN	9:30:00 AM	2953						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADPLN	11:30:00 AM	2954						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADPLN	1:30:00 PM	2955						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADPLN	3:30:00 PM	2956						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSEK	9:30:00 AM	2957						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSEK	11:30:00 AM	2958						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSEK	1:30:00 PM	2959						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSEK	3:30:00 PM	2960						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSGD	9:30:00 AM	2961						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSGD	11:30:00 AM	2962						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSGD	1:30:00 PM	2963						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADSGD	3:30:00 PM	2964						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADZAR	9:30:00 AM	2965						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADZAR	11:30:00 AM	2966						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADZAR	1:30:00 PM	2967						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CADZAR	3:30:00 PM	2968						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFCZK	9:30:00 AM	2969						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	CHFCZK	11:30:00 AM	2970						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFCZK	1:30:00 PM	2971						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFCZK	3:30:00 PM	2972						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK	9:30:00 AM	2973						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK	11:30:00 AM	2974						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK	1:30:00 PM	2975						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK	3:30:00 PM	2976						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK.fx	9:30:00 AM	2977						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK.fx	11:30:00 AM	2978						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK.fx	1:30:00 PM	2979						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFDKK.fx	3:30:00 PM	2980						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHKD	9:30:00 AM	2981						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHKD	11:30:00 AM	2982						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHKD	1:30:00 PM	2983						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHKD	3:30:00 PM	2984						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHUF	9:30:00 AM	2985						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHUF	11:30:00 AM	2986						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHUF	1:30:00 PM	2987						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFHUF	3:30:00 PM	2988						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY	9:30:00 AM	2989						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY	11:30:00 AM	2990						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY	1:30:00 PM	2991						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY	3:30:00 PM	2992						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY.fx	9:30:00 AM	2993						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY.fx	11:30:00 AM	2994						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY.fx	1:30:00 PM	2995						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFJPY.fx	3:30:00 PM	2996						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFMXN	9:30:00 AM	2997						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFMXN	11:30:00 AM	2998						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFMXN	1:30:00 PM	2999						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFMXN	3:30:00 PM	3000						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK	9:30:00 AM	3001						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK	11:30:00 AM	3002						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK	1:30:00 PM	3003						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	CHFNOK	3:30:00 PM	3004						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK.fx	9:30:00 AM	3005						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK.fx	11:30:00 AM	3006						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK.fx	1:30:00 PM	3007						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFNOK.fx	3:30:00 PM	3008						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN	9:30:00 AM	3009						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN	11:30:00 AM	3010						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN	1:30:00 PM	3011						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN	3:30:00 PM	3012						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN.fx	9:30:00 AM	3013						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN.fx	11:30:00 AM	3014						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN.fx	1:30:00 PM	3015						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFPLN.fx	3:30:00 PM	3016						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSEK	9:30:00 AM	3017						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSEK	11:30:00 AM	3018						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSEK	1:30:00 PM	3019						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSEK	3:30:00 PM	3020						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD	9:30:00 AM	3021						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD	11:30:00 AM	3022						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD	1:30:00 PM	3023						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD	3:30:00 PM	3024						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD.fx	9:30:00 AM	3025						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD.fx	11:30:00 AM	3026						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD.fx	1:30:00 PM	3027						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFSGD.fx	3:30:00 PM	3028						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFZAR	9:30:00 AM	3029						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFZAR	11:30:00 AM	3030						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFZAR	1:30:00 PM	3031						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CHFZAR	3:30:00 PM	3032						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CZKJPY	9:30:00 AM	3033						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CZKJPY	11:30:00 AM	3034						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CZKJPY	1:30:00 PM	3035						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	CZKJPY	3:30:00 PM	3036						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DAX30.i	9:30:00 AM	3037						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	DAX30.i	11:30:00 AM	3038						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DAX30.i	1:30:00 PM	3039						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DAX30.i	3:30:00 PM	3040						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DJ30.i	9:30:00 AM	3041						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DJ30.i	11:30:00 AM	3042						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DJ30.i	1:30:00 PM	3043						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DJ30.i	3:30:00 PM	3044						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DKKJPY	9:30:00 AM	3045						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DKKJPY	11:30:00 AM	3046						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DKKJPY	1:30:00 PM	3047						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	DKKJPY	3:30:00 PM	3048						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD	9:30:00 AM	3049						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD	11:30:00 AM	3050						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD	1:30:00 PM	3051						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD	3:30:00 PM	3052						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD.fx	9:30:00 AM	3053						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD.fx	11:30:00 AM	3054						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD.fx	1:30:00 PM	3055						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURAUD.fx	3:30:00 PM	3056						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD	9:30:00 AM	3057						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD	11:30:00 AM	3058						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD	1:30:00 PM	3059						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD	3:30:00 PM	3060						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD.fx	9:30:00 AM	3061						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD.fx	11:30:00 AM	3062						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD.fx	1:30:00 PM	3063						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCAD.fx	3:30:00 PM	3064						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF	9:30:00 AM	3065						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF	11:30:00 AM	3066						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF	1:30:00 PM	3067						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF	3:30:00 PM	3068						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF.fx	9:30:00 AM	3069						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF.fx	11:30:00 AM	3070						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCHF.fx	1:30:00 PM	3071						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	EURCHF.fx	3:30:00 PM	3072						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCZK	9:30:00 AM	3073						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCZK	11:30:00 AM	3074						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCZK	1:30:00 PM	3075						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURCZK	3:30:00 PM	3076						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURDKK	9:30:00 AM	3077						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURDKK	11:30:00 AM	3078						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURDKK	1:30:00 PM	3079						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURDKK	3:30:00 PM	3080						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP	9:30:00 AM	3081						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP	11:30:00 AM	3082						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP	1:30:00 PM	3083						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP	3:30:00 PM	3084						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP.fx	9:30:00 AM	3085						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP.fx	11:30:00 AM	3086						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP.fx	1:30:00 PM	3087						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURGBP.fx	3:30:00 PM	3088						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD	9:30:00 AM	3089						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD	11:30:00 AM	3090						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD	1:30:00 PM	3091						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD	3:30:00 PM	3092						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD.fx	9:30:00 AM	3093						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD.fx	11:30:00 AM	3094						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD.fx	1:30:00 PM	3095						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHKD.fx	3:30:00 PM	3096						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF	9:30:00 AM	3097						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF	11:30:00 AM	3098						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF	1:30:00 PM	3099						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF	3:30:00 PM	3100						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF.fx	9:30:00 AM	3101						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF.fx	11:30:00 AM	3102						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF.fx	1:30:00 PM	3103						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURHUF.fx	3:30:00 PM	3104						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY	9:30:00 AM	3105						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	EURJPY	11:30:00 AM	3106						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY	1:30:00 PM	3107						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY	3:30:00 PM	3108						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY.fx	9:30:00 AM	3109						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY.fx	11:30:00 AM	3110						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY.fx	1:30:00 PM	3111						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURJPY.fx	3:30:00 PM	3112						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN	9:30:00 AM	3113						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN	11:30:00 AM	3114						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN	1:30:00 PM	3115						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN	3:30:00 PM	3116						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN.fx	9:30:00 AM	3117						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN.fx	11:30:00 AM	3118						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN.fx	1:30:00 PM	3119						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURMXN.fx	3:30:00 PM	3120						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK	9:30:00 AM	3121						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK	11:30:00 AM	3122						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK	1:30:00 PM	3123						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK	3:30:00 PM	3124						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK.fx	9:30:00 AM	3125						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK.fx	11:30:00 AM	3126						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK.fx	1:30:00 PM	3127						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNOK.fx	3:30:00 PM	3128						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD	9:30:00 AM	3129						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD	11:30:00 AM	3130						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD	1:30:00 PM	3131						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD	3:30:00 PM	3132						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD.fx	9:30:00 AM	3133						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD.fx	11:30:00 AM	3134						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD.fx	1:30:00 PM	3135						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURNZD.fx	3:30:00 PM	3136						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN	9:30:00 AM	3137						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN	11:30:00 AM	3138						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN	1:30:00 PM	3139						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	EURPLN	3:30:00 PM	3140						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN.fx	9:30:00 AM	3141						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN.fx	11:30:00 AM	3142						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN.fx	1:30:00 PM	3143						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURPLN.fx	3:30:00 PM	3144						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURRUB	9:30:00 AM	3145						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURRUB	11:30:00 AM	3146						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURRUB	1:30:00 PM	3147						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURRUB	3:30:00 PM	3148						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK	9:30:00 AM	3149						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK	11:30:00 AM	3150						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK	1:30:00 PM	3151						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK	3:30:00 PM	3152						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK.fx	9:30:00 AM	3153						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK.fx	11:30:00 AM	3154						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK.fx	1:30:00 PM	3155						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSEK.fx	3:30:00 PM	3156						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD	9:30:00 AM	3157						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD	11:30:00 AM	3158						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD	1:30:00 PM	3159						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD	3:30:00 PM	3160						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD.fx	9:30:00 AM	3161						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD.fx	11:30:00 AM	3162						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD.fx	1:30:00 PM	3163						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURSGD.fx	3:30:00 PM	3164						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD	9:30:00 AM	3165						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD	11:30:00 AM	3166						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD	1:30:00 PM	3167						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD	3:30:00 PM	3168						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD.fx	9:30:00 AM	3169						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD.fx	11:30:00 AM	3170						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD.fx	1:30:00 PM	3171						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURUSD.fx	3:30:00 PM	3172						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR	9:30:00 AM	3173						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	EURZAR	11:30:00 AM	3174						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR	1:30:00 PM	3175						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR	3:30:00 PM	3176						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR.fx	9:30:00 AM	3177						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR.fx	11:30:00 AM	3178						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR.fx	1:30:00 PM	3179						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	EURZAR.fx	3:30:00 PM	3180						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD	9:30:00 AM	3181						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD	11:30:00 AM	3182						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD	1:30:00 PM	3183						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD	3:30:00 PM	3184						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD.fx	9:30:00 AM	3185						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD.fx	11:30:00 AM	3186						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD.fx	1:30:00 PM	3187						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPAUD.fx	3:30:00 PM	3188						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD	9:30:00 AM	3189						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD	11:30:00 AM	3190						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD	1:30:00 PM	3191						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD	3:30:00 PM	3192						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD.fx	9:30:00 AM	3193						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD.fx	11:30:00 AM	3194						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD.fx	1:30:00 PM	3195						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCAD.fx	3:30:00 PM	3196						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF	9:30:00 AM	3197						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF	11:30:00 AM	3198						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF	1:30:00 PM	3199						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF	3:30:00 PM	3200						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF.fx	9:30:00 AM	3201						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF.fx	11:30:00 AM	3202						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF.fx	1:30:00 PM	3203						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCHF.fx	3:30:00 PM	3204						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCZK	9:30:00 AM	3205						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCZK	11:30:00 AM	3206						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPCZK	1:30:00 PM	3207						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	GBPCZK	3:30:00 PM	3208						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK	9:30:00 AM	3209						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK	11:30:00 AM	3210						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK	1:30:00 PM	3211						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK	3:30:00 PM	3212						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK.fx	9:30:00 AM	3213						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK.fx	11:30:00 AM	3214						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK.fx	1:30:00 PM	3215						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPDKK.fx	3:30:00 PM	3216						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHKD	9:30:00 AM	3217						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHKD	11:30:00 AM	3218						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHKD	1:30:00 PM	3219						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHKD	3:30:00 PM	3220						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHUF	9:30:00 AM	3221						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHUF	11:30:00 AM	3222						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHUF	1:30:00 PM	3223						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPHUF	3:30:00 PM	3224						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY	9:30:00 AM	3225						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY	11:30:00 AM	3226						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY	1:30:00 PM	3227						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY	3:30:00 PM	3228						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY.fx	9:30:00 AM	3229						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY.fx	11:30:00 AM	3230						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY.fx	1:30:00 PM	3231						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPJPY.fx	3:30:00 PM	3232						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPMXN	9:30:00 AM	3233						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPMXN	11:30:00 AM	3234						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPMXN	1:30:00 PM	3235						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPMXN	3:30:00 PM	3236						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK	9:30:00 AM	3237						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK	11:30:00 AM	3238						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK	1:30:00 PM	3239						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK	3:30:00 PM	3240						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK.fx	9:30:00 AM	3241						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	GBPNOK.fx	11:30:00 AM	3242						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK.fx	1:30:00 PM	3243						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNOK.fx	3:30:00 PM	3244						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD	9:30:00 AM	3245						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD	11:30:00 AM	3246						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD	1:30:00 PM	3247						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD	3:30:00 PM	3248						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD.fx	9:30:00 AM	3249						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD.fx	11:30:00 AM	3250						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD.fx	1:30:00 PM	3251						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPNZD.fx	3:30:00 PM	3252						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN	9:30:00 AM	3253						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN	11:30:00 AM	3254						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN	1:30:00 PM	3255						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN	3:30:00 PM	3256						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN.fx	9:30:00 AM	3257						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN.fx	11:30:00 AM	3258						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN.fx	1:30:00 PM	3259						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPPLN.fx	3:30:00 PM	3260						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK	9:30:00 AM	3261						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK	11:30:00 AM	3262						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK	1:30:00 PM	3263						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK	3:30:00 PM	3264						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK.fx	9:30:00 AM	3265						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK.fx	11:30:00 AM	3266						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK.fx	1:30:00 PM	3267						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSEK.fx	3:30:00 PM	3268						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD	9:30:00 AM	3269						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD	11:30:00 AM	3270						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD	1:30:00 PM	3271						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD	3:30:00 PM	3272						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD.fx	9:30:00 AM	3273						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD.fx	11:30:00 AM	3274						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPSGD.fx	1:30:00 PM	3275						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	GBPSGD.fx	3:30:00 PM	3276						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD	9:30:00 AM	3277						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD	11:30:00 AM	3278						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD	1:30:00 PM	3279						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD	3:30:00 PM	3280						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD.fx	9:30:00 AM	3281						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD.fx	11:30:00 AM	3282						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD.fx	1:30:00 PM	3283						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPUSD.fx	3:30:00 PM	3284						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR	9:30:00 AM	3285						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR	11:30:00 AM	3286						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR	1:30:00 PM	3287						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR	3:30:00 PM	3288						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR.fx	9:30:00 AM	3289						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR.fx	11:30:00 AM	3290						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR.fx	1:30:00 PM	3291						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GBPZAR.fx	3:30:00 PM	3292						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GOLD	9:30:00 AM	3293						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GOLD	11:30:00 AM	3294						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GOLD	1:30:00 PM	3295						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	GOLD	3:30:00 PM	3296						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY	9:30:00 AM	3297						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY	11:30:00 AM	3298						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY	1:30:00 PM	3299						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY	3:30:00 PM	3300						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY.fx	9:30:00 AM	3301						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY.fx	11:30:00 AM	3302						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY.fx	1:30:00 PM	3303						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HKDJPY.fx	3:30:00 PM	3304						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HUFJPY	9:30:00 AM	3305						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HUFJPY	11:30:00 AM	3306						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HUFJPY	1:30:00 PM	3307						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	HUFJPY	3:30:00 PM	3308						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JP225.i	9:30:00 AM	3309						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	JP225.i	11:30:00 AM	3310						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JP225.i	1:30:00 PM	3311						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JP225.i	3:30:00 PM	3312						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	MXNJPY	9:30:00 AM	3313						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	MXNJPY	11:30:00 AM	3314						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	MXNJPY	1:30:00 PM	3315						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	MXNJPY	3:30:00 PM	3316						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NASDAQ.i	9:30:00 AM	3317						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NASDAQ.i	11:30:00 AM	3318						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NASDAQ.i	1:30:00 PM	3319						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NASDAQ.i	3:30:00 PM	3320						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY	9:30:00 AM	3321						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY	11:30:00 AM	3322						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY	1:30:00 PM	3323						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY	3:30:00 PM	3324						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY.fx	9:30:00 AM	3325						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY.fx	11:30:00 AM	3326						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY.fx	1:30:00 PM	3327						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NOKJPY.fx	3:30:00 PM	3328						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD	9:30:00 AM	3329						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD	11:30:00 AM	3330						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD	1:30:00 PM	3331						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD	3:30:00 PM	3332						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD.fx	9:30:00 AM	3333						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD.fx	11:30:00 AM	3334						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD.fx	1:30:00 PM	3335						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCAD.fx	3:30:00 PM	3336						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF	9:30:00 AM	3337						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF	11:30:00 AM	3338						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF	1:30:00 PM	3339						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF	3:30:00 PM	3340						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF.fx	9:30:00 AM	3341						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF.fx	11:30:00 AM	3342						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCHF.fx	1:30:00 PM	3343						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	NZDCHF.fx	3:30:00 PM	3344						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCZK	9:30:00 AM	3345						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCZK	11:30:00 AM	3346						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCZK	1:30:00 PM	3347						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDCZK	3:30:00 PM	3348						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDDKK	9:30:00 AM	3349						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDDKK	11:30:00 AM	3350						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDDKK	1:30:00 PM	3351						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDDKK	3:30:00 PM	3352						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHKD	9:30:00 AM	3353						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHKD	11:30:00 AM	3354						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHKD	1:30:00 PM	3355						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHKD	3:30:00 PM	3356						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHUF	9:30:00 AM	3357						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHUF	11:30:00 AM	3358						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHUF	1:30:00 PM	3359						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDHUF	3:30:00 PM	3360						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY	9:30:00 AM	3361						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY	11:30:00 AM	3362						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY	1:30:00 PM	3363						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY	3:30:00 PM	3364						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY.fx	9:30:00 AM	3365						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY.fx	11:30:00 AM	3366						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY.fx	1:30:00 PM	3367						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDJPY.fx	3:30:00 PM	3368						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDMXN	9:30:00 AM	3369						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDMXN	11:30:00 AM	3370						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDMXN	1:30:00 PM	3371						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDMXN	3:30:00 PM	3372						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDNOK	9:30:00 AM	3373						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDNOK	11:30:00 AM	3374						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDNOK	1:30:00 PM	3375						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDNOK	3:30:00 PM	3376						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDPLN	9:30:00 AM	3377						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	NZDPLN	11:30:00 AM	3378						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDPLN	1:30:00 PM	3379						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDPLN	3:30:00 PM	3380						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSEK	9:30:00 AM	3381						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSEK	11:30:00 AM	3382						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSEK	1:30:00 PM	3383						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSEK	3:30:00 PM	3384						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD	9:30:00 AM	3385						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD	11:30:00 AM	3386						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD	1:30:00 PM	3387						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD	3:30:00 PM	3388						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD.fx	9:30:00 AM	3389						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD.fx	11:30:00 AM	3390						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD.fx	1:30:00 PM	3391						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDSGD.fx	3:30:00 PM	3392						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD	9:30:00 AM	3393						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD	11:30:00 AM	3394						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD	1:30:00 PM	3395						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD	3:30:00 PM	3396						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD.fx	9:30:00 AM	3397						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD.fx	11:30:00 AM	3398						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD.fx	1:30:00 PM	3399						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDUSD.fx	3:30:00 PM	3400						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDZAR	9:30:00 AM	3401						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDZAR	11:30:00 AM	3402						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDZAR	1:30:00 PM	3403						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	NZDZAR	3:30:00 PM	3404						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY	9:30:00 AM	3405						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY	11:30:00 AM	3406						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY	1:30:00 PM	3407						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY	3:30:00 PM	3408						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY.fx	9:30:00 AM	3409						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY.fx	11:30:00 AM	3410						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SEKJPY.fx	1:30:00 PM	3411						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	SEKJPY.fx	3:30:00 PM	3412						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SGDJPY	9:30:00 AM	3413						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SGDJPY	11:30:00 AM	3414						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SGDJPY	1:30:00 PM	3415						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SGDJPY	3:30:00 PM	3416						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SILVER	9:30:00 AM	3417						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SILVER	11:30:00 AM	3418						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SILVER	1:30:00 PM	3419						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SILVER	3:30:00 PM	3420						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SPX500.i	9:30:00 AM	3421						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SPX500.i	11:30:00 AM	3422						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SPX500.i	1:30:00 PM	3423						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	SPX500.i	3:30:00 PM	3424						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	UK100.i	9:30:00 AM	3425						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	UK100.i	11:30:00 AM	3426						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	UK100.i	1:30:00 PM	3427						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	UK100.i	3:30:00 PM	3428						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD	9:30:00 AM	3429						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD	11:30:00 AM	3430						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD	1:30:00 PM	3431						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD	3:30:00 PM	3432						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD.fx	9:30:00 AM	3433						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD.fx	11:30:00 AM	3434						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD.fx	1:30:00 PM	3435						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCAD.fx	3:30:00 PM	3436						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF	9:30:00 AM	3437						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF	11:30:00 AM	3438						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF	1:30:00 PM	3439						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF	3:30:00 PM	3440						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF.fx	9:30:00 AM	3441						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF.fx	11:30:00 AM	3442						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF.fx	1:30:00 PM	3443						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCHF.fx	3:30:00 PM	3444						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK	9:30:00 AM	3445						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	USDCZK	11:30:00 AM	3446						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK	1:30:00 PM	3447						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK	3:30:00 PM	3448						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK.fx	9:30:00 AM	3449						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK.fx	11:30:00 AM	3450						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK.fx	1:30:00 PM	3451						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDCZK.fx	3:30:00 PM	3452						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK	9:30:00 AM	3453						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK	11:30:00 AM	3454						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK	1:30:00 PM	3455						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK	3:30:00 PM	3456						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK.fx	9:30:00 AM	3457						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK.fx	11:30:00 AM	3458						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK.fx	1:30:00 PM	3459						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDDKK.fx	3:30:00 PM	3460						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD	9:30:00 AM	3461						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD	11:30:00 AM	3462						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD	1:30:00 PM	3463						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD	3:30:00 PM	3464						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD.fx	9:30:00 AM	3465						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD.fx	11:30:00 AM	3466						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD.fx	1:30:00 PM	3467						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHKD.fx	3:30:00 PM	3468						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF	9:30:00 AM	3469						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF	11:30:00 AM	3470						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF	1:30:00 PM	3471						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF	3:30:00 PM	3472						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF.fx	9:30:00 AM	3473						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF.fx	11:30:00 AM	3474						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF.fx	1:30:00 PM	3475						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDHUF.fx	3:30:00 PM	3476						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDINR	9:30:00 AM	3477						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDINR	11:30:00 AM	3478						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDINR	1:30:00 PM	3479						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	USDINR	3:30:00 PM	3480						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY	9:30:00 AM	3481						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY	11:30:00 AM	3482						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY	1:30:00 PM	3483						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY	3:30:00 PM	3484						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY.fx	9:30:00 AM	3485						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY.fx	11:30:00 AM	3486						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY.fx	1:30:00 PM	3487						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDJPY.fx	3:30:00 PM	3488						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDMXN	9:30:00 AM	3489						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDMXN	11:30:00 AM	3490						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDMXN	1:30:00 PM	3491						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDMXN	3:30:00 PM	3492						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JSDMXN.fx	9:30:00 AM	3493						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JSDMXN.fx	11:30:00 AM	3494						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JSDMXN.fx	1:30:00 PM	3495						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	JSDMXN.fx	3:30:00 PM	3496						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK	9:30:00 AM	3497						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK	11:30:00 AM	3498						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK	1:30:00 PM	3499						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK	3:30:00 PM	3500						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK.fx	9:30:00 AM	3501						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK.fx	11:30:00 AM	3502						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK.fx	1:30:00 PM	3503						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDNOK.fx	3:30:00 PM	3504						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN	9:30:00 AM	3505						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN	11:30:00 AM	3506						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN	1:30:00 PM	3507						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN	3:30:00 PM	3508						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN.fx	9:30:00 AM	3509						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN.fx	11:30:00 AM	3510						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN.fx	1:30:00 PM	3511						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDPLN.fx	3:30:00 PM	3512						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDRUB	9:30:00 AM	3513						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	USDRUB	11:30:00 AM	3514						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDRUB	1:30:00 PM	3515						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDRUB	3:30:00 PM	3516						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK	9:30:00 AM	3517						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK	11:30:00 AM	3518						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK	1:30:00 PM	3519						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK	3:30:00 PM	3520						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK.fx	9:30:00 AM	3521						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK.fx	11:30:00 AM	3522						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK.fx	1:30:00 PM	3523						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSEK.fx	3:30:00 PM	3524						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD	9:30:00 AM	3525						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD	11:30:00 AM	3526						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD	1:30:00 PM	3527						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD	3:30:00 PM	3528						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD.fx	9:30:00 AM	3529						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD.fx	11:30:00 AM	3530						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD.fx	1:30:00 PM	3531						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDSGD.fx	3:30:00 PM	3532						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR	9:30:00 AM	3533						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR	11:30:00 AM	3534						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR	1:30:00 PM	3535						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR	3:30:00 PM	3536						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR.fx	9:30:00 AM	3537						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR.fx	11:30:00 AM	3538						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR.fx	1:30:00 PM	3539						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	USDZAR.fx	3:30:00 PM	3540						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	XAUUSD	9:30:00 AM	3541						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	XAUUSD	11:30:00 AM	3542						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	XAUUSD	1:30:00 PM	3543						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	XAUUSD	3:30:00 PM	3544						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY	9:30:00 AM	3545						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY	11:30:00 AM	3546						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY	1:30:00 PM	3547						Continuous Quote	N/A	ELECTRONIC	N/A

10/3/2019	ZARJPY	3:30:00 PM	3548						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY.fx	9:30:00 AM	3549						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY.fx	11:30:00 AM	3550						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY.fx	1:30:00 PM	3551						Continuous Quote	N/A	ELECTRONIC	N/A
10/3/2019	ZARJPY.fx	3:30:00 PM	3552						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AA	9:30:00 AM	3553						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AA	11:30:00 AM	3554						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AA	1:30:00 PM	3555						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AA	3:30:00 PM	3556						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AABA	9:30:00 AM	3557						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AABA	11:30:00 AM	3558						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AABA	1:30:00 PM	3559						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AABA	3:30:00 PM	3560						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAL	9:30:00 AM	3561						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAL	11:30:00 AM	3562						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAL	1:30:00 PM	3563						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAL	3:30:00 PM	3564						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAPL	9:30:00 AM	3565						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAPL	11:30:00 AM	3566						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAPL	1:30:00 PM	3567						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AAPL	3:30:00 PM	3568						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#ADBE	9:30:00 AM	3569						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#ADBE	11:30:00 AM	3570						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#ADBE	1:30:00 PM	3571						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#ADBE	3:30:00 PM	3572						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AIG	9:30:00 AM	3573						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AIG	11:30:00 AM	3574						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AIG	1:30:00 PM	3575						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AIG	3:30:00 PM	3576						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMD	9:30:00 AM	3577						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMD	11:30:00 AM	3578						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMD	1:30:00 PM	3579						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMD	3:30:00 PM	3580						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMZN	9:30:00 AM	3581						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	#AMZN	11:30:00 AM	3582						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMZN	1:30:00 PM	3583						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AMZN	3:30:00 PM	3584						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AXP	9:30:00 AM	3585						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AXP	11:30:00 AM	3586						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AXP	1:30:00 PM	3587						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#AXP	3:30:00 PM	3588						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#BA	9:30:00 AM	3589						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#BA	11:30:00 AM	3590						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#BA	1:30:00 PM	3591						Continuous Quote	N/A	ELECTRONIC	N/A
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10/4/2019	#NG.f	3:30:00 PM	3848						Continuous Quote	N/A	ELECTRONIC	N/A
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10/4/2019	#ZNGA	1:30:00 PM	3995						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	#ZNGA	3:30:00 PM	3996						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD	9:30:00 AM	3997						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD	11:30:00 AM	3998						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD	1:30:00 PM	3999						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD	3:30:00 PM	4000						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD.fx	9:30:00 AM	4001						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD.fx	11:30:00 AM	4002						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD.fx	1:30:00 PM	4003						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCAD.fx	3:30:00 PM	4004						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF	9:30:00 AM	4005						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF	11:30:00 AM	4006						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF	1:30:00 PM	4007						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF	3:30:00 PM	4008						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF.fx	9:30:00 AM	4009						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF.fx	11:30:00 AM	4010						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF.fx	1:30:00 PM	4011						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCHF.fx	3:30:00 PM	4012						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCZK	9:30:00 AM	4013						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCZK	11:30:00 AM	4014						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCZK	1:30:00 PM	4015						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDCZK	3:30:00 PM	4016						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDDKK	9:30:00 AM	4017						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDDKK	11:30:00 AM	4018						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDDKK	1:30:00 PM	4019						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDDKK	3:30:00 PM	4020						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHKD	9:30:00 AM	4021						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHKD	11:30:00 AM	4022						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHKD	1:30:00 PM	4023						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	AUDHKD	3:30:00 PM	4024						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHUF	9:30:00 AM	4025						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHUF	11:30:00 AM	4026						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHUF	1:30:00 PM	4027						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDHUF	3:30:00 PM	4028						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY	9:30:00 AM	4029						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY	11:30:00 AM	4030						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY	1:30:00 PM	4031						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY	3:30:00 PM	4032						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY.fx	9:30:00 AM	4033						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY.fx	11:30:00 AM	4034						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY.fx	1:30:00 PM	4035						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDJPY.fx	3:30:00 PM	4036						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDMXN	9:30:00 AM	4037						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDMXN	11:30:00 AM	4038						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDMXN	1:30:00 PM	4039						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDMXN	3:30:00 PM	4040						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK	9:30:00 AM	4041						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK	11:30:00 AM	4042						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK	1:30:00 PM	4043						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK	3:30:00 PM	4044						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK.fx	9:30:00 AM	4045						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK.fx	11:30:00 AM	4046						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK.fx	1:30:00 PM	4047						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNOK.fx	3:30:00 PM	4048						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD	9:30:00 AM	4049						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD	11:30:00 AM	4050						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD	1:30:00 PM	4051						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD	3:30:00 PM	4052						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD.fx	9:30:00 AM	4053						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD.fx	11:30:00 AM	4054						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD.fx	1:30:00 PM	4055						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDNZD.fx	3:30:00 PM	4056						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDPLN	9:30:00 AM	4057						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	AUDPLN	11:30:00 AM	4058						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDPLN	1:30:00 PM	4059						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDPLN	3:30:00 PM	4060						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK	9:30:00 AM	4061						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK	11:30:00 AM	4062						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK	1:30:00 PM	4063						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK	3:30:00 PM	4064						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK.fx	9:30:00 AM	4065						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK.fx	11:30:00 AM	4066						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK.fx	1:30:00 PM	4067						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSEK.fx	3:30:00 PM	4068						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD	9:30:00 AM	4069						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD	11:30:00 AM	4070						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD	1:30:00 PM	4071						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD	3:30:00 PM	4072						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD.fx	9:30:00 AM	4073						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD.fx	11:30:00 AM	4074						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD.fx	1:30:00 PM	4075						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDSGD.fx	3:30:00 PM	4076						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD	9:30:00 AM	4077						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD	11:30:00 AM	4078						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD	1:30:00 PM	4079						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD	3:30:00 PM	4080						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD.fx	9:30:00 AM	4081						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD.fx	11:30:00 AM	4082						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD.fx	1:30:00 PM	4083						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDUSD.fx	3:30:00 PM	4084						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDZAR	9:30:00 AM	4085						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDZAR	11:30:00 AM	4086						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDZAR	1:30:00 PM	4087						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUDZAR	3:30:00 PM	4088						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUS200.i	9:30:00 AM	4089						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUS200.i	11:30:00 AM	4090						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	AUS200.i	1:30:00 PM	4091						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	AUS200.i	3:30:00 PM	4092						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	BCHUSD	9:30:00 AM	4093						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	BCHUSD	11:30:00 AM	4094						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	BCHUSD	1:30:00 PM	4095						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	BCHUSD	3:30:00 PM	4096						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF	9:30:00 AM	4097						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF	11:30:00 AM	4098						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF	1:30:00 PM	4099						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF	3:30:00 PM	4100						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF.fx	9:30:00 AM	4101						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF.fx	11:30:00 AM	4102						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF.fx	1:30:00 PM	4103						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCHF.fx	3:30:00 PM	4104						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCZK	9:30:00 AM	4105						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCZK	11:30:00 AM	4106						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCZK	1:30:00 PM	4107						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADCZK	3:30:00 PM	4108						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADDDKK	9:30:00 AM	4109						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADDDKK	11:30:00 AM	4110						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADDDKK	1:30:00 PM	4111						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADDDKK	3:30:00 PM	4112						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHKD	9:30:00 AM	4113						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHKD	11:30:00 AM	4114						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHKD	1:30:00 PM	4115						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHKD	3:30:00 PM	4116						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHUF	9:30:00 AM	4117						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHUF	11:30:00 AM	4118						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHUF	1:30:00 PM	4119						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADHUF	3:30:00 PM	4120						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY	9:30:00 AM	4121						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY	11:30:00 AM	4122						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY	1:30:00 PM	4123						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY	3:30:00 PM	4124						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY.fx	9:30:00 AM	4125						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	CADJPY.fx	11:30:00 AM	4126						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY.fx	1:30:00 PM	4127						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADJPY.fx	3:30:00 PM	4128						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADMXN	9:30:00 AM	4129						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADMXN	11:30:00 AM	4130						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADMXN	1:30:00 PM	4131						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADMXN	3:30:00 PM	4132						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADNOK	9:30:00 AM	4133						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADNOK	11:30:00 AM	4134						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADNOK	1:30:00 PM	4135						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADNOK	3:30:00 PM	4136						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADPLN	9:30:00 AM	4137						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADPLN	11:30:00 AM	4138						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADPLN	1:30:00 PM	4139						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADPLN	3:30:00 PM	4140						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSEK	9:30:00 AM	4141						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSEK	11:30:00 AM	4142						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSEK	1:30:00 PM	4143						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSEK	3:30:00 PM	4144						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSGD	9:30:00 AM	4145						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSGD	11:30:00 AM	4146						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSGD	1:30:00 PM	4147						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADSGD	3:30:00 PM	4148						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADZAR	9:30:00 AM	4149						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADZAR	11:30:00 AM	4150						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADZAR	1:30:00 PM	4151						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CADZAR	3:30:00 PM	4152						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFCZK	9:30:00 AM	4153						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFCZK	11:30:00 AM	4154						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFCZK	1:30:00 PM	4155						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFCZK	3:30:00 PM	4156						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK	9:30:00 AM	4157						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK	11:30:00 AM	4158						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK	1:30:00 PM	4159						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	CHFDKK	3:30:00 PM	4160						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK.fx	9:30:00 AM	4161						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK.fx	11:30:00 AM	4162						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK.fx	1:30:00 PM	4163						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFDKK.fx	3:30:00 PM	4164						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHKD	9:30:00 AM	4165						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHKD	11:30:00 AM	4166						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHKD	1:30:00 PM	4167						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHKD	3:30:00 PM	4168						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHUF	9:30:00 AM	4169						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHUF	11:30:00 AM	4170						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHUF	1:30:00 PM	4171						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFHUF	3:30:00 PM	4172						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY	9:30:00 AM	4173						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY	11:30:00 AM	4174						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY	1:30:00 PM	4175						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY	3:30:00 PM	4176						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY.fx	9:30:00 AM	4177						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY.fx	11:30:00 AM	4178						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY.fx	1:30:00 PM	4179						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFJPY.fx	3:30:00 PM	4180						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFMXN	9:30:00 AM	4181						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFMXN	11:30:00 AM	4182						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFMXN	1:30:00 PM	4183						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFMXN	3:30:00 PM	4184						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK	9:30:00 AM	4185						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK	11:30:00 AM	4186						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK	1:30:00 PM	4187						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK	3:30:00 PM	4188						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK.fx	9:30:00 AM	4189						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK.fx	11:30:00 AM	4190						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK.fx	1:30:00 PM	4191						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFNOK.fx	3:30:00 PM	4192						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN	9:30:00 AM	4193						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	CHFPLN	11:30:00 AM	4194						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN	1:30:00 PM	4195						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN	3:30:00 PM	4196						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN.fx	9:30:00 AM	4197						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN.fx	11:30:00 AM	4198						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN.fx	1:30:00 PM	4199						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFPLN.fx	3:30:00 PM	4200						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSEK	9:30:00 AM	4201						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSEK	11:30:00 AM	4202						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSEK	1:30:00 PM	4203						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSEK	3:30:00 PM	4204						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD	9:30:00 AM	4205						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD	11:30:00 AM	4206						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD	1:30:00 PM	4207						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD	3:30:00 PM	4208						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD.fx	9:30:00 AM	4209						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD.fx	11:30:00 AM	4210						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD.fx	1:30:00 PM	4211						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFSGD.fx	3:30:00 PM	4212						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFZAR	9:30:00 AM	4213						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFZAR	11:30:00 AM	4214						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFZAR	1:30:00 PM	4215						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CHFZAR	3:30:00 PM	4216						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CZKJPY	9:30:00 AM	4217						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CZKJPY	11:30:00 AM	4218						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CZKJPY	1:30:00 PM	4219						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	CZKJPY	3:30:00 PM	4220						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DAX30.i	9:30:00 AM	4221						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DAX30.i	11:30:00 AM	4222						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DAX30.i	1:30:00 PM	4223						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DAX30.i	3:30:00 PM	4224						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DJ30.i	9:30:00 AM	4225						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DJ30.i	11:30:00 AM	4226						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DJ30.i	1:30:00 PM	4227						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	DJ30.i	3:30:00 PM	4228						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DKKJPY	9:30:00 AM	4229						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DKKJPY	11:30:00 AM	4230						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DKKJPY	1:30:00 PM	4231						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	DKKJPY	3:30:00 PM	4232						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD	9:30:00 AM	4233						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD	11:30:00 AM	4234						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD	1:30:00 PM	4235						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD	3:30:00 PM	4236						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD.fx	9:30:00 AM	4237						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD.fx	11:30:00 AM	4238						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD.fx	1:30:00 PM	4239						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURAUD.fx	3:30:00 PM	4240						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD	9:30:00 AM	4241						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD	11:30:00 AM	4242						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD	1:30:00 PM	4243						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD	3:30:00 PM	4244						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD.fx	9:30:00 AM	4245						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD.fx	11:30:00 AM	4246						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD.fx	1:30:00 PM	4247						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCAD.fx	3:30:00 PM	4248						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF	9:30:00 AM	4249						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF	11:30:00 AM	4250						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF	1:30:00 PM	4251						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF	3:30:00 PM	4252						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF.fx	9:30:00 AM	4253						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF.fx	11:30:00 AM	4254						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF.fx	1:30:00 PM	4255						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCHF.fx	3:30:00 PM	4256						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCZK	9:30:00 AM	4257						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCZK	11:30:00 AM	4258						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCZK	1:30:00 PM	4259						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURCZK	3:30:00 PM	4260						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURDKK	9:30:00 AM	4261						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	EURDKK	11:30:00 AM	4262						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURDKK	1:30:00 PM	4263						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURDKK	3:30:00 PM	4264						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP	9:30:00 AM	4265						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP	11:30:00 AM	4266						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP	1:30:00 PM	4267						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP	3:30:00 PM	4268						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP.fx	9:30:00 AM	4269						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP.fx	11:30:00 AM	4270						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP.fx	1:30:00 PM	4271						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURGBP.fx	3:30:00 PM	4272						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD	9:30:00 AM	4273						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD	11:30:00 AM	4274						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD	1:30:00 PM	4275						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD	3:30:00 PM	4276						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD.fx	9:30:00 AM	4277						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD.fx	11:30:00 AM	4278						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD.fx	1:30:00 PM	4279						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHKD.fx	3:30:00 PM	4280						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF	9:30:00 AM	4281						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF	11:30:00 AM	4282						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF	1:30:00 PM	4283						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF	3:30:00 PM	4284						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF.fx	9:30:00 AM	4285						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF.fx	11:30:00 AM	4286						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF.fx	1:30:00 PM	4287						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURHUF.fx	3:30:00 PM	4288						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY	9:30:00 AM	4289						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY	11:30:00 AM	4290						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY	1:30:00 PM	4291						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY	3:30:00 PM	4292						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY.fx	9:30:00 AM	4293						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY.fx	11:30:00 AM	4294						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURJPY.fx	1:30:00 PM	4295						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	EURJPY.fx	3:30:00 PM	4296						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN	9:30:00 AM	4297						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN	11:30:00 AM	4298						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN	1:30:00 PM	4299						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN	3:30:00 PM	4300						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN.fx	9:30:00 AM	4301						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN.fx	11:30:00 AM	4302						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN.fx	1:30:00 PM	4303						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURMXN.fx	3:30:00 PM	4304						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK	9:30:00 AM	4305						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK	11:30:00 AM	4306						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK	1:30:00 PM	4307						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK	3:30:00 PM	4308						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK.fx	9:30:00 AM	4309						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK.fx	11:30:00 AM	4310						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK.fx	1:30:00 PM	4311						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNOK.fx	3:30:00 PM	4312						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD	9:30:00 AM	4313						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD	11:30:00 AM	4314						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD	1:30:00 PM	4315						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD	3:30:00 PM	4316						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD.fx	9:30:00 AM	4317						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD.fx	11:30:00 AM	4318						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD.fx	1:30:00 PM	4319						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURNZD.fx	3:30:00 PM	4320						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN	9:30:00 AM	4321						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN	11:30:00 AM	4322						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN	1:30:00 PM	4323						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN	3:30:00 PM	4324						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN.fx	9:30:00 AM	4325						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN.fx	11:30:00 AM	4326						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN.fx	1:30:00 PM	4327						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURPLN.fx	3:30:00 PM	4328						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURRUB	9:30:00 AM	4329						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	EURRUB	11:30:00 AM	4330						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURRUB	1:30:00 PM	4331						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURRUB	3:30:00 PM	4332						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK	9:30:00 AM	4333						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK	11:30:00 AM	4334						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK	1:30:00 PM	4335						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK	3:30:00 PM	4336						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK.fx	9:30:00 AM	4337						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK.fx	11:30:00 AM	4338						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK.fx	1:30:00 PM	4339						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSEK.fx	3:30:00 PM	4340						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD	9:30:00 AM	4341						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD	11:30:00 AM	4342						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD	1:30:00 PM	4343						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD	3:30:00 PM	4344						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD.fx	9:30:00 AM	4345						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD.fx	11:30:00 AM	4346						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD.fx	1:30:00 PM	4347						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURSGD.fx	3:30:00 PM	4348						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD	9:30:00 AM	4349						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD	11:30:00 AM	4350						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD	1:30:00 PM	4351						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD	3:30:00 PM	4352						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD.fx	9:30:00 AM	4353						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD.fx	11:30:00 AM	4354						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD.fx	1:30:00 PM	4355						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURUSD.fx	3:30:00 PM	4356						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR	9:30:00 AM	4357						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR	11:30:00 AM	4358						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR	1:30:00 PM	4359						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR	3:30:00 PM	4360						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR.fx	9:30:00 AM	4361						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR.fx	11:30:00 AM	4362						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	EURZAR.fx	1:30:00 PM	4363						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	EURZAR.fx	3:30:00 PM	4364						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD	9:30:00 AM	4365						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD	11:30:00 AM	4366						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD	1:30:00 PM	4367						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD	3:30:00 PM	4368						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD.fx	9:30:00 AM	4369						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD.fx	11:30:00 AM	4370						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD.fx	1:30:00 PM	4371						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPAUD.fx	3:30:00 PM	4372						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD	9:30:00 AM	4373						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD	11:30:00 AM	4374						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD	1:30:00 PM	4375						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD	3:30:00 PM	4376						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD.fx	9:30:00 AM	4377						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD.fx	11:30:00 AM	4378						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD.fx	1:30:00 PM	4379						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCAD.fx	3:30:00 PM	4380						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF	9:30:00 AM	4381						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF	11:30:00 AM	4382						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF	1:30:00 PM	4383						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF	3:30:00 PM	4384						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF.fx	9:30:00 AM	4385						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF.fx	11:30:00 AM	4386						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF.fx	1:30:00 PM	4387						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCHF.fx	3:30:00 PM	4388						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCZK	9:30:00 AM	4389						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCZK	11:30:00 AM	4390						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCZK	1:30:00 PM	4391						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPCZK	3:30:00 PM	4392						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK	9:30:00 AM	4393						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK	11:30:00 AM	4394						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK	1:30:00 PM	4395						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK	3:30:00 PM	4396						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK.fx	9:30:00 AM	4397						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	GBPDKK.fx	11:30:00 AM	4398						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK.fx	1:30:00 PM	4399						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPDKK.fx	3:30:00 PM	4400						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHKD	9:30:00 AM	4401						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHKD	11:30:00 AM	4402						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHKD	1:30:00 PM	4403						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHKD	3:30:00 PM	4404						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHUF	9:30:00 AM	4405						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHUF	11:30:00 AM	4406						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHUF	1:30:00 PM	4407						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPHUF	3:30:00 PM	4408						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY	9:30:00 AM	4409						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY	11:30:00 AM	4410						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY	1:30:00 PM	4411						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY	3:30:00 PM	4412						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY.fx	9:30:00 AM	4413						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY.fx	11:30:00 AM	4414						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY.fx	1:30:00 PM	4415						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPJPY.fx	3:30:00 PM	4416						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPMXN	9:30:00 AM	4417						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPMXN	11:30:00 AM	4418						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPMXN	1:30:00 PM	4419						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPMXN	3:30:00 PM	4420						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK	9:30:00 AM	4421						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK	11:30:00 AM	4422						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK	1:30:00 PM	4423						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK	3:30:00 PM	4424						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK.fx	9:30:00 AM	4425						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK.fx	11:30:00 AM	4426						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK.fx	1:30:00 PM	4427						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNOK.fx	3:30:00 PM	4428						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD	9:30:00 AM	4429						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD	11:30:00 AM	4430						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD	1:30:00 PM	4431						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	GBPNZD	3:30:00 PM	4432						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD.fx	9:30:00 AM	4433						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD.fx	11:30:00 AM	4434						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD.fx	1:30:00 PM	4435						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPNZD.fx	3:30:00 PM	4436						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN	9:30:00 AM	4437						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN	11:30:00 AM	4438						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN	1:30:00 PM	4439						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN	3:30:00 PM	4440						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN.fx	9:30:00 AM	4441						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN.fx	11:30:00 AM	4442						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN.fx	1:30:00 PM	4443						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPPLN.fx	3:30:00 PM	4444						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK	9:30:00 AM	4445						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK	11:30:00 AM	4446						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK	1:30:00 PM	4447						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK	3:30:00 PM	4448						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK.fx	9:30:00 AM	4449						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK.fx	11:30:00 AM	4450						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK.fx	1:30:00 PM	4451						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSEK.fx	3:30:00 PM	4452						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD	9:30:00 AM	4453						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD	11:30:00 AM	4454						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD	1:30:00 PM	4455						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD	3:30:00 PM	4456						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD.fx	9:30:00 AM	4457						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD.fx	11:30:00 AM	4458						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD.fx	1:30:00 PM	4459						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPSGD.fx	3:30:00 PM	4460						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUUSD	9:30:00 AM	4461						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUUSD	11:30:00 AM	4462						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUUSD	1:30:00 PM	4463						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUUSD	3:30:00 PM	4464						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUUSD.fx	9:30:00 AM	4465						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	GBPUSD.fx	11:30:00 AM	4466						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUSD.fx	1:30:00 PM	4467						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPUSD.fx	3:30:00 PM	4468						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR	9:30:00 AM	4469						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR	11:30:00 AM	4470						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR	1:30:00 PM	4471						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR	3:30:00 PM	4472						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR.fx	9:30:00 AM	4473						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR.fx	11:30:00 AM	4474						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR.fx	1:30:00 PM	4475						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GBPZAR.fx	3:30:00 PM	4476						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GOLD	9:30:00 AM	4477						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GOLD	11:30:00 AM	4478						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GOLD	1:30:00 PM	4479						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	GOLD	3:30:00 PM	4480						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY	9:30:00 AM	4481						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY	11:30:00 AM	4482						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY	1:30:00 PM	4483						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY	3:30:00 PM	4484						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY.fx	9:30:00 AM	4485						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY.fx	11:30:00 AM	4486						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY.fx	1:30:00 PM	4487						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HKDJPY.fx	3:30:00 PM	4488						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HUFJPY	9:30:00 AM	4489						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HUFJPY	11:30:00 AM	4490						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HUFJPY	1:30:00 PM	4491						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	HUFJPY	3:30:00 PM	4492						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JP225.i	9:30:00 AM	4493						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JP225.i	11:30:00 AM	4494						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JP225.i	1:30:00 PM	4495						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JP225.i	3:30:00 PM	4496						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	MXNJPY	9:30:00 AM	4497						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	MXNJPY	11:30:00 AM	4498						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	MXNJPY	1:30:00 PM	4499						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	MXNJPY	3:30:00 PM	4500						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NASDAQ.i	9:30:00 AM	4501						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NASDAQ.i	11:30:00 AM	4502						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NASDAQ.i	1:30:00 PM	4503						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NASDAQ.i	3:30:00 PM	4504						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY	9:30:00 AM	4505						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY	11:30:00 AM	4506						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY	1:30:00 PM	4507						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY	3:30:00 PM	4508						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY.fx	9:30:00 AM	4509						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY.fx	11:30:00 AM	4510						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY.fx	1:30:00 PM	4511						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NOKJPY.fx	3:30:00 PM	4512						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD	9:30:00 AM	4513						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD	11:30:00 AM	4514						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD	1:30:00 PM	4515						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD	3:30:00 PM	4516						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD.fx	9:30:00 AM	4517						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD.fx	11:30:00 AM	4518						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD.fx	1:30:00 PM	4519						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCAD.fx	3:30:00 PM	4520						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF	9:30:00 AM	4521						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF	11:30:00 AM	4522						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF	1:30:00 PM	4523						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF	3:30:00 PM	4524						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF.fx	9:30:00 AM	4525						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF.fx	11:30:00 AM	4526						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF.fx	1:30:00 PM	4527						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCHF.fx	3:30:00 PM	4528						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCZK	9:30:00 AM	4529						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCZK	11:30:00 AM	4530						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCZK	1:30:00 PM	4531						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDCZK	3:30:00 PM	4532						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDDKK	9:30:00 AM	4533						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	NZDDKK	11:30:00 AM	4534						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDDKK	1:30:00 PM	4535						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDDKK	3:30:00 PM	4536						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHKD	9:30:00 AM	4537						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHKD	11:30:00 AM	4538						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHKD	1:30:00 PM	4539						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHKD	3:30:00 PM	4540						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHUF	9:30:00 AM	4541						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHUF	11:30:00 AM	4542						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHUF	1:30:00 PM	4543						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDHUF	3:30:00 PM	4544						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY	9:30:00 AM	4545						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY	11:30:00 AM	4546						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY	1:30:00 PM	4547						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY	3:30:00 PM	4548						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY.fx	9:30:00 AM	4549						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY.fx	11:30:00 AM	4550						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY.fx	1:30:00 PM	4551						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDJPY.fx	3:30:00 PM	4552						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDMXN	9:30:00 AM	4553						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDMXN	11:30:00 AM	4554						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDMXN	1:30:00 PM	4555						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDMXN	3:30:00 PM	4556						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDNOK	9:30:00 AM	4557						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDNOK	11:30:00 AM	4558						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDNOK	1:30:00 PM	4559						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDNOK	3:30:00 PM	4560						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDPLN	9:30:00 AM	4561						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDPLN	11:30:00 AM	4562						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDPLN	1:30:00 PM	4563						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDPLN	3:30:00 PM	4564						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSEK	9:30:00 AM	4565						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSEK	11:30:00 AM	4566						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSEK	1:30:00 PM	4567						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	NZDSEK	3:30:00 PM	4568						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD	9:30:00 AM	4569						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD	11:30:00 AM	4570						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD	1:30:00 PM	4571						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD	3:30:00 PM	4572						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD.fx	9:30:00 AM	4573						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD.fx	11:30:00 AM	4574						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD.fx	1:30:00 PM	4575						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDSGD.fx	3:30:00 PM	4576						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD	9:30:00 AM	4577						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD	11:30:00 AM	4578						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD	1:30:00 PM	4579						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD	3:30:00 PM	4580						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD.fx	9:30:00 AM	4581						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD.fx	11:30:00 AM	4582						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD.fx	1:30:00 PM	4583						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDUSD.fx	3:30:00 PM	4584						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDZAR	9:30:00 AM	4585						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDZAR	11:30:00 AM	4586						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDZAR	1:30:00 PM	4587						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	NZDZAR	3:30:00 PM	4588						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY	9:30:00 AM	4589						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY	11:30:00 AM	4590						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY	1:30:00 PM	4591						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY	3:30:00 PM	4592						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY.fx	9:30:00 AM	4593						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY.fx	11:30:00 AM	4594						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY.fx	1:30:00 PM	4595						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SEKJPY.fx	3:30:00 PM	4596						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SGDJPY	9:30:00 AM	4597						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SGDJPY	11:30:00 AM	4598						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SGDJPY	1:30:00 PM	4599						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SGDJPY	3:30:00 PM	4600						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SILVER	9:30:00 AM	4601						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	SILVER	11:30:00 AM	4602						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SILVER	1:30:00 PM	4603						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SILVER	3:30:00 PM	4604						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SPX500.i	9:30:00 AM	4605						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SPX500.i	11:30:00 AM	4606						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SPX500.i	1:30:00 PM	4607						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	SPX500.i	3:30:00 PM	4608						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	UK100.i	9:30:00 AM	4609						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	UK100.i	11:30:00 AM	4610						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	UK100.i	1:30:00 PM	4611						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	UK100.i	3:30:00 PM	4612						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD	9:30:00 AM	4613						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD	11:30:00 AM	4614						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD	1:30:00 PM	4615						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD	3:30:00 PM	4616						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD.fx	9:30:00 AM	4617						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD.fx	11:30:00 AM	4618						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD.fx	1:30:00 PM	4619						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCAD.fx	3:30:00 PM	4620						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF	9:30:00 AM	4621						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF	11:30:00 AM	4622						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF	1:30:00 PM	4623						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF	3:30:00 PM	4624						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF.fx	9:30:00 AM	4625						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF.fx	11:30:00 AM	4626						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF.fx	1:30:00 PM	4627						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCHF.fx	3:30:00 PM	4628						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK	9:30:00 AM	4629						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK	11:30:00 AM	4630						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK	1:30:00 PM	4631						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK	3:30:00 PM	4632						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK.fx	9:30:00 AM	4633						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK.fx	11:30:00 AM	4634						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDCZK.fx	1:30:00 PM	4635						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	USDCZK.fx	3:30:00 PM	4636						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK	9:30:00 AM	4637						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK	11:30:00 AM	4638						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK	1:30:00 PM	4639						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK	3:30:00 PM	4640						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK.fx	9:30:00 AM	4641						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK.fx	11:30:00 AM	4642						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK.fx	1:30:00 PM	4643						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDDKK.fx	3:30:00 PM	4644						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD	9:30:00 AM	4645						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD	11:30:00 AM	4646						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD	1:30:00 PM	4647						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD	3:30:00 PM	4648						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD.fx	9:30:00 AM	4649						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD.fx	11:30:00 AM	4650						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD.fx	1:30:00 PM	4651						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHKD.fx	3:30:00 PM	4652						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF	9:30:00 AM	4653						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF	11:30:00 AM	4654						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF	1:30:00 PM	4655						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF	3:30:00 PM	4656						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF.fx	9:30:00 AM	4657						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF.fx	11:30:00 AM	4658						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF.fx	1:30:00 PM	4659						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDHUF.fx	3:30:00 PM	4660						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDINR	9:30:00 AM	4661						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDINR	11:30:00 AM	4662						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDINR	1:30:00 PM	4663						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDINR	3:30:00 PM	4664						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY	9:30:00 AM	4665						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY	11:30:00 AM	4666						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY	1:30:00 PM	4667						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY	3:30:00 PM	4668						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY.fx	9:30:00 AM	4669						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	USDJPY.fx	11:30:00 AM	4670						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY.fx	1:30:00 PM	4671						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDJPY.fx	3:30:00 PM	4672						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDMXN	9:30:00 AM	4673						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDMXN	11:30:00 AM	4674						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDMXN	1:30:00 PM	4675						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDMXN	3:30:00 PM	4676						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JSDMXN.fx	9:30:00 AM	4677						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JSDMXN.fx	11:30:00 AM	4678						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JSDMXN.fx	1:30:00 PM	4679						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	JSDMXN.fx	3:30:00 PM	4680						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK	9:30:00 AM	4681						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK	11:30:00 AM	4682						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK	1:30:00 PM	4683						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK	3:30:00 PM	4684						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK.fx	9:30:00 AM	4685						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK.fx	11:30:00 AM	4686						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK.fx	1:30:00 PM	4687						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDNOK.fx	3:30:00 PM	4688						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN	9:30:00 AM	4689						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN	11:30:00 AM	4690						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN	1:30:00 PM	4691						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN	3:30:00 PM	4692						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN.fx	9:30:00 AM	4693						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN.fx	11:30:00 AM	4694						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN.fx	1:30:00 PM	4695						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDPLN.fx	3:30:00 PM	4696						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDRUB	9:30:00 AM	4697						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDRUB	11:30:00 AM	4698						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDRUB	1:30:00 PM	4699						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDRUB	3:30:00 PM	4700						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK	9:30:00 AM	4701						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK	11:30:00 AM	4702						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK	1:30:00 PM	4703						Continuous Quote	N/A	ELECTRONIC	N/A

10/4/2019	USDSEK	3:30:00 PM	4704						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK.fx	9:30:00 AM	4705						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK.fx	11:30:00 AM	4706						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK.fx	1:30:00 PM	4707						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSEK.fx	3:30:00 PM	4708						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD	9:30:00 AM	4709						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD	11:30:00 AM	4710						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD	1:30:00 PM	4711						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD	3:30:00 PM	4712						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD.fx	9:30:00 AM	4713						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD.fx	11:30:00 AM	4714						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD.fx	1:30:00 PM	4715						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDSGD.fx	3:30:00 PM	4716						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR	9:30:00 AM	4717						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR	11:30:00 AM	4718						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR	1:30:00 PM	4719						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR	3:30:00 PM	4720						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR.fx	9:30:00 AM	4721						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR.fx	11:30:00 AM	4722						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR.fx	1:30:00 PM	4723						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	USDZAR.fx	3:30:00 PM	4724						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	XAUUSD	9:30:00 AM	4725						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	XAUUSD	11:30:00 AM	4726						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	XAUUSD	1:30:00 PM	4727						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	XAUUSD	3:30:00 PM	4728						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY	9:30:00 AM	4729						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY	11:30:00 AM	4730						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY	1:30:00 PM	4731						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY	3:30:00 PM	4732						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY.fx	9:30:00 AM	4733						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY.fx	11:30:00 AM	4734						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY.fx	1:30:00 PM	4735						Continuous Quote	N/A	ELECTRONIC	N/A
10/4/2019	ZARJPY.fx	3:30:00 PM	4736						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AA	9:30:00 AM	4737						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	#AA	11:30:00 AM	4738						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AA	1:30:00 PM	4739						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AA	3:30:00 PM	4740						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AABA	9:30:00 AM	4741						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AABA	11:30:00 AM	4742						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AABA	1:30:00 PM	4743						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AABA	3:30:00 PM	4744						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAL	9:30:00 AM	4745						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAL	11:30:00 AM	4746						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAL	1:30:00 PM	4747						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAL	3:30:00 PM	4748						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAPL	9:30:00 AM	4749						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAPL	11:30:00 AM	4750						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAPL	1:30:00 PM	4751						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AAPL	3:30:00 PM	4752						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#ADBE	9:30:00 AM	4753						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#ADBE	11:30:00 AM	4754						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#ADBE	1:30:00 PM	4755						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#ADBE	3:30:00 PM	4756						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AIG	9:30:00 AM	4757						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AIG	11:30:00 AM	4758						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AIG	1:30:00 PM	4759						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AIG	3:30:00 PM	4760						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMD	9:30:00 AM	4761						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMD	11:30:00 AM	4762						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMD	1:30:00 PM	4763						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMD	3:30:00 PM	4764						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMZN	9:30:00 AM	4765						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMZN	11:30:00 AM	4766						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMZN	1:30:00 PM	4767						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AMZN	3:30:00 PM	4768						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AXP	9:30:00 AM	4769						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AXP	11:30:00 AM	4770						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#AXP	1:30:00 PM	4771						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	#AXP	3:30:00 PM	4772						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BA	9:30:00 AM	4773						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BA	11:30:00 AM	4774						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BA	1:30:00 PM	4775						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BA	3:30:00 PM	4776						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BABA	9:30:00 AM	4777						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BABA	11:30:00 AM	4778						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BABA	1:30:00 PM	4779						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BABA	3:30:00 PM	4780						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	#BAC	9:30:00 AM	4781						Continuous Quote	N/A	ELECTRONIC	N/A
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10/5/2019	AUDCAD.fx	9:30:00 AM	5185						Continuous Quote	N/A	ELECTRONIC	N/A
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10/5/2019	AUDCAD.fx	1:30:00 PM	5187						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCAD.fx	3:30:00 PM	5188						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF	9:30:00 AM	5189						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF	11:30:00 AM	5190						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF	1:30:00 PM	5191						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF	3:30:00 PM	5192						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF.fx	9:30:00 AM	5193						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF.fx	11:30:00 AM	5194						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF.fx	1:30:00 PM	5195						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCHF.fx	3:30:00 PM	5196						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCZK	9:30:00 AM	5197						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCZK	11:30:00 AM	5198						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCZK	1:30:00 PM	5199						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDCZK	3:30:00 PM	5200						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDDKK	9:30:00 AM	5201						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDDKK	11:30:00 AM	5202						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDDKK	1:30:00 PM	5203						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDDKK	3:30:00 PM	5204						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHKD	9:30:00 AM	5205						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHKD	11:30:00 AM	5206						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHKD	1:30:00 PM	5207						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHKD	3:30:00 PM	5208						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHUF	9:30:00 AM	5209						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHUF	11:30:00 AM	5210						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHUF	1:30:00 PM	5211						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDHUF	3:30:00 PM	5212						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY	9:30:00 AM	5213						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	AUDJPY	11:30:00 AM	5214						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY	1:30:00 PM	5215						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY	3:30:00 PM	5216						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY.fx	9:30:00 AM	5217						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY.fx	11:30:00 AM	5218						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY.fx	1:30:00 PM	5219						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDJPY.fx	3:30:00 PM	5220						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDMXN	9:30:00 AM	5221						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDMXN	11:30:00 AM	5222						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDMXN	1:30:00 PM	5223						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDMXN	3:30:00 PM	5224						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK	9:30:00 AM	5225						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK	11:30:00 AM	5226						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK	1:30:00 PM	5227						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK	3:30:00 PM	5228						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK.fx	9:30:00 AM	5229						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK.fx	11:30:00 AM	5230						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK.fx	1:30:00 PM	5231						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNOK.fx	3:30:00 PM	5232						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD	9:30:00 AM	5233						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD	11:30:00 AM	5234						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD	1:30:00 PM	5235						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD	3:30:00 PM	5236						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD.fx	9:30:00 AM	5237						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD.fx	11:30:00 AM	5238						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD.fx	1:30:00 PM	5239						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDNZD.fx	3:30:00 PM	5240						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDPLN	9:30:00 AM	5241						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDPLN	11:30:00 AM	5242						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDPLN	1:30:00 PM	5243						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDPLN	3:30:00 PM	5244						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK	9:30:00 AM	5245						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK	11:30:00 AM	5246						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK	1:30:00 PM	5247						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	AUDSEK	3:30:00 PM	5248						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK.fx	9:30:00 AM	5249						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK.fx	11:30:00 AM	5250						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK.fx	1:30:00 PM	5251						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSEK.fx	3:30:00 PM	5252						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD	9:30:00 AM	5253						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD	11:30:00 AM	5254						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD	1:30:00 PM	5255						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD	3:30:00 PM	5256						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD.fx	9:30:00 AM	5257						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD.fx	11:30:00 AM	5258						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD.fx	1:30:00 PM	5259						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDSGD.fx	3:30:00 PM	5260						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD	9:30:00 AM	5261						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD	11:30:00 AM	5262						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD	1:30:00 PM	5263						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD	3:30:00 PM	5264						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD.fx	9:30:00 AM	5265						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD.fx	11:30:00 AM	5266						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD.fx	1:30:00 PM	5267						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDUSD.fx	3:30:00 PM	5268						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDZAR	9:30:00 AM	5269						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDZAR	11:30:00 AM	5270						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDZAR	1:30:00 PM	5271						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUDZAR	3:30:00 PM	5272						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUS200.i	9:30:00 AM	5273						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUS200.i	11:30:00 AM	5274						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUS200.i	1:30:00 PM	5275						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	AUS200.i	3:30:00 PM	5276						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	BCHUSD	9:30:00 AM	5277						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	BCHUSD	11:30:00 AM	5278						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	BCHUSD	1:30:00 PM	5279						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	BCHUSD	3:30:00 PM	5280						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF	9:30:00 AM	5281						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	CADCHF	11:30:00 AM	5282						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF	1:30:00 PM	5283						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF	3:30:00 PM	5284						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF.fx	9:30:00 AM	5285						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF.fx	11:30:00 AM	5286						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF.fx	1:30:00 PM	5287						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCHF.fx	3:30:00 PM	5288						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCZK	9:30:00 AM	5289						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCZK	11:30:00 AM	5290						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCZK	1:30:00 PM	5291						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADCZK	3:30:00 PM	5292						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADDDKK	9:30:00 AM	5293						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADDDKK	11:30:00 AM	5294						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADDDKK	1:30:00 PM	5295						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADDDKK	3:30:00 PM	5296						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHKD	9:30:00 AM	5297						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHKD	11:30:00 AM	5298						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHKD	1:30:00 PM	5299						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHKD	3:30:00 PM	5300						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHUF	9:30:00 AM	5301						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHUF	11:30:00 AM	5302						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHUF	1:30:00 PM	5303						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADHUF	3:30:00 PM	5304						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY	9:30:00 AM	5305						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY	11:30:00 AM	5306						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY	1:30:00 PM	5307						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY	3:30:00 PM	5308						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY.fx	9:30:00 AM	5309						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY.fx	11:30:00 AM	5310						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY.fx	1:30:00 PM	5311						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADJPY.fx	3:30:00 PM	5312						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADMXN	9:30:00 AM	5313						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADMXN	11:30:00 AM	5314						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADMXN	1:30:00 PM	5315						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	CADMXN	3:30:00 PM	5316						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADNOK	9:30:00 AM	5317						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADNOK	11:30:00 AM	5318						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADNOK	1:30:00 PM	5319						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADNOK	3:30:00 PM	5320						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADPLN	9:30:00 AM	5321						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADPLN	11:30:00 AM	5322						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADPLN	1:30:00 PM	5323						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADPLN	3:30:00 PM	5324						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSEK	9:30:00 AM	5325						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSEK	11:30:00 AM	5326						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSEK	1:30:00 PM	5327						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSEK	3:30:00 PM	5328						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSGD	9:30:00 AM	5329						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSGD	11:30:00 AM	5330						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSGD	1:30:00 PM	5331						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADSGD	3:30:00 PM	5332						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADZAR	9:30:00 AM	5333						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADZAR	11:30:00 AM	5334						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADZAR	1:30:00 PM	5335						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CADZAR	3:30:00 PM	5336						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFCZK	9:30:00 AM	5337						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFCZK	11:30:00 AM	5338						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFCZK	1:30:00 PM	5339						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFCZK	3:30:00 PM	5340						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK	9:30:00 AM	5341						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK	11:30:00 AM	5342						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK	1:30:00 PM	5343						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK	3:30:00 PM	5344						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK.fx	9:30:00 AM	5345						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK.fx	11:30:00 AM	5346						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK.fx	1:30:00 PM	5347						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFDKK.fx	3:30:00 PM	5348						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHKD	9:30:00 AM	5349						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	CHFHKD	11:30:00 AM	5350						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHKD	1:30:00 PM	5351						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHKD	3:30:00 PM	5352						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHUF	9:30:00 AM	5353						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHUF	11:30:00 AM	5354						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHUF	1:30:00 PM	5355						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFHUF	3:30:00 PM	5356						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY	9:30:00 AM	5357						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY	11:30:00 AM	5358						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY	1:30:00 PM	5359						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY	3:30:00 PM	5360						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY.fx	9:30:00 AM	5361						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY.fx	11:30:00 AM	5362						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY.fx	1:30:00 PM	5363						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFJPY.fx	3:30:00 PM	5364						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFMXN	9:30:00 AM	5365						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFMXN	11:30:00 AM	5366						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFMXN	1:30:00 PM	5367						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFMXN	3:30:00 PM	5368						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK	9:30:00 AM	5369						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK	11:30:00 AM	5370						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK	1:30:00 PM	5371						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK	3:30:00 PM	5372						Continuous Quote	N/A	ELECTRONIC	N/A
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10/5/2019	CHFNOK.fx	11:30:00 AM	5374						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK.fx	1:30:00 PM	5375						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFNOK.fx	3:30:00 PM	5376						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN	9:30:00 AM	5377						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN	11:30:00 AM	5378						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN	1:30:00 PM	5379						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN	3:30:00 PM	5380						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN.fx	9:30:00 AM	5381						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN.fx	11:30:00 AM	5382						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFPLN.fx	1:30:00 PM	5383						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	CHFPLN.fx	3:30:00 PM	5384						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSEK	9:30:00 AM	5385						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSEK	11:30:00 AM	5386						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSEK	1:30:00 PM	5387						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSEK	3:30:00 PM	5388						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD	9:30:00 AM	5389						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD	11:30:00 AM	5390						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD	1:30:00 PM	5391						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD	3:30:00 PM	5392						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD.fx	9:30:00 AM	5393						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD.fx	11:30:00 AM	5394						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD.fx	1:30:00 PM	5395						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFSGD.fx	3:30:00 PM	5396						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFZAR	9:30:00 AM	5397						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFZAR	11:30:00 AM	5398						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFZAR	1:30:00 PM	5399						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CHFZAR	3:30:00 PM	5400						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CZKJPY	9:30:00 AM	5401						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CZKJPY	11:30:00 AM	5402						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CZKJPY	1:30:00 PM	5403						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	CZKJPY	3:30:00 PM	5404						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DAX30.i	9:30:00 AM	5405						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DAX30.i	11:30:00 AM	5406						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DAX30.i	1:30:00 PM	5407						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DAX30.i	3:30:00 PM	5408						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DJ30.i	9:30:00 AM	5409						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DJ30.i	11:30:00 AM	5410						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DJ30.i	1:30:00 PM	5411						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DJ30.i	3:30:00 PM	5412						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DKKJPY	9:30:00 AM	5413						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DKKJPY	11:30:00 AM	5414						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DKKJPY	1:30:00 PM	5415						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	DKKJPY	3:30:00 PM	5416						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD	9:30:00 AM	5417						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	EURAUD	11:30:00 AM	5418						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD	1:30:00 PM	5419						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD	3:30:00 PM	5420						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD.fx	9:30:00 AM	5421						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD.fx	11:30:00 AM	5422						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD.fx	1:30:00 PM	5423						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURAUD.fx	3:30:00 PM	5424						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD	9:30:00 AM	5425						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD	11:30:00 AM	5426						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD	1:30:00 PM	5427						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD	3:30:00 PM	5428						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD.fx	9:30:00 AM	5429						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD.fx	11:30:00 AM	5430						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD.fx	1:30:00 PM	5431						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCAD.fx	3:30:00 PM	5432						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF	9:30:00 AM	5433						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF	11:30:00 AM	5434						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF	1:30:00 PM	5435						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF	3:30:00 PM	5436						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF.fx	9:30:00 AM	5437						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF.fx	11:30:00 AM	5438						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF.fx	1:30:00 PM	5439						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCHF.fx	3:30:00 PM	5440						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCZK	9:30:00 AM	5441						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCZK	11:30:00 AM	5442						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCZK	1:30:00 PM	5443						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURCZK	3:30:00 PM	5444						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURDKK	9:30:00 AM	5445						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURDKK	11:30:00 AM	5446						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURDKK	1:30:00 PM	5447						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURDKK	3:30:00 PM	5448						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP	9:30:00 AM	5449						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP	11:30:00 AM	5450						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP	1:30:00 PM	5451						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	EURGBP	3:30:00 PM	5452						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP.fx	9:30:00 AM	5453						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP.fx	11:30:00 AM	5454						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP.fx	1:30:00 PM	5455						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURGBP.fx	3:30:00 PM	5456						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD	9:30:00 AM	5457						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD	11:30:00 AM	5458						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD	1:30:00 PM	5459						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD	3:30:00 PM	5460						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD.fx	9:30:00 AM	5461						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD.fx	11:30:00 AM	5462						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD.fx	1:30:00 PM	5463						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHKD.fx	3:30:00 PM	5464						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF	9:30:00 AM	5465						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF	11:30:00 AM	5466						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF	1:30:00 PM	5467						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF	3:30:00 PM	5468						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF.fx	9:30:00 AM	5469						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF.fx	11:30:00 AM	5470						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF.fx	1:30:00 PM	5471						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURHUF.fx	3:30:00 PM	5472						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY	9:30:00 AM	5473						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY	11:30:00 AM	5474						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY	1:30:00 PM	5475						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY	3:30:00 PM	5476						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY.fx	9:30:00 AM	5477						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY.fx	11:30:00 AM	5478						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY.fx	1:30:00 PM	5479						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURJPY.fx	3:30:00 PM	5480						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN	9:30:00 AM	5481						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN	11:30:00 AM	5482						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN	1:30:00 PM	5483						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN	3:30:00 PM	5484						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN.fx	9:30:00 AM	5485						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	EURMXN.fx	11:30:00 AM	5486						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN.fx	1:30:00 PM	5487						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURMXN.fx	3:30:00 PM	5488						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK	9:30:00 AM	5489						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK	11:30:00 AM	5490						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK	1:30:00 PM	5491						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK	3:30:00 PM	5492						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK.fx	9:30:00 AM	5493						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK.fx	11:30:00 AM	5494						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK.fx	1:30:00 PM	5495						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNOK.fx	3:30:00 PM	5496						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD	9:30:00 AM	5497						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD	11:30:00 AM	5498						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD	1:30:00 PM	5499						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD	3:30:00 PM	5500						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD.fx	9:30:00 AM	5501						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD.fx	11:30:00 AM	5502						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD.fx	1:30:00 PM	5503						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURNZD.fx	3:30:00 PM	5504						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN	9:30:00 AM	5505						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN	11:30:00 AM	5506						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN	1:30:00 PM	5507						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN	3:30:00 PM	5508						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN.fx	9:30:00 AM	5509						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN.fx	11:30:00 AM	5510						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN.fx	1:30:00 PM	5511						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURPLN.fx	3:30:00 PM	5512						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURRUB	9:30:00 AM	5513						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURRUB	11:30:00 AM	5514						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURRUB	1:30:00 PM	5515						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURRUB	3:30:00 PM	5516						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK	9:30:00 AM	5517						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK	11:30:00 AM	5518						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK	1:30:00 PM	5519						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	EURSEK	3:30:00 PM	5520						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK.fx	9:30:00 AM	5521						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK.fx	11:30:00 AM	5522						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK.fx	1:30:00 PM	5523						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSEK.fx	3:30:00 PM	5524						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD	9:30:00 AM	5525						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD	11:30:00 AM	5526						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD	1:30:00 PM	5527						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD	3:30:00 PM	5528						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD.fx	9:30:00 AM	5529						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD.fx	11:30:00 AM	5530						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD.fx	1:30:00 PM	5531						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURSGD.fx	3:30:00 PM	5532						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD	9:30:00 AM	5533						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD	11:30:00 AM	5534						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD	1:30:00 PM	5535						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD	3:30:00 PM	5536						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD.fx	9:30:00 AM	5537						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD.fx	11:30:00 AM	5538						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD.fx	1:30:00 PM	5539						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURUSD.fx	3:30:00 PM	5540						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR	9:30:00 AM	5541						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR	11:30:00 AM	5542						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR	1:30:00 PM	5543						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR	3:30:00 PM	5544						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR.fx	9:30:00 AM	5545						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR.fx	11:30:00 AM	5546						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR.fx	1:30:00 PM	5547						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	EURZAR.fx	3:30:00 PM	5548						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD	9:30:00 AM	5549						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD	11:30:00 AM	5550						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD	1:30:00 PM	5551						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD	3:30:00 PM	5552						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD.fx	9:30:00 AM	5553						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	GBPAUD.fx	11:30:00 AM	5554						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD.fx	1:30:00 PM	5555						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPAUD.fx	3:30:00 PM	5556						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD	9:30:00 AM	5557						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD	11:30:00 AM	5558						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD	1:30:00 PM	5559						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD	3:30:00 PM	5560						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD.fx	9:30:00 AM	5561						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD.fx	11:30:00 AM	5562						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD.fx	1:30:00 PM	5563						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCAD.fx	3:30:00 PM	5564						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF	9:30:00 AM	5565						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF	11:30:00 AM	5566						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF	1:30:00 PM	5567						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF	3:30:00 PM	5568						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF.fx	9:30:00 AM	5569						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF.fx	11:30:00 AM	5570						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF.fx	1:30:00 PM	5571						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCHF.fx	3:30:00 PM	5572						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCZK	9:30:00 AM	5573						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCZK	11:30:00 AM	5574						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCZK	1:30:00 PM	5575						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPCZK	3:30:00 PM	5576						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK	9:30:00 AM	5577						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK	11:30:00 AM	5578						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK	1:30:00 PM	5579						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK	3:30:00 PM	5580						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK.fx	9:30:00 AM	5581						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK.fx	11:30:00 AM	5582						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK.fx	1:30:00 PM	5583						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPDKK.fx	3:30:00 PM	5584						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHKD	9:30:00 AM	5585						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHKD	11:30:00 AM	5586						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHKD	1:30:00 PM	5587						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	GBPHKD	3:30:00 PM	5588						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHUF	9:30:00 AM	5589						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHUF	11:30:00 AM	5590						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHUF	1:30:00 PM	5591						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPHUF	3:30:00 PM	5592						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY	9:30:00 AM	5593						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY	11:30:00 AM	5594						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY	1:30:00 PM	5595						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY	3:30:00 PM	5596						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY.fx	9:30:00 AM	5597						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY.fx	11:30:00 AM	5598						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY.fx	1:30:00 PM	5599						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPJPY.fx	3:30:00 PM	5600						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPMXN	9:30:00 AM	5601						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPMXN	11:30:00 AM	5602						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPMXN	1:30:00 PM	5603						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPMXN	3:30:00 PM	5604						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK	9:30:00 AM	5605						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK	11:30:00 AM	5606						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK	1:30:00 PM	5607						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK	3:30:00 PM	5608						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK.fx	9:30:00 AM	5609						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK.fx	11:30:00 AM	5610						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK.fx	1:30:00 PM	5611						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNOK.fx	3:30:00 PM	5612						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD	9:30:00 AM	5613						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD	11:30:00 AM	5614						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD	1:30:00 PM	5615						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD	3:30:00 PM	5616						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD.fx	9:30:00 AM	5617						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD.fx	11:30:00 AM	5618						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD.fx	1:30:00 PM	5619						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPNZD.fx	3:30:00 PM	5620						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN	9:30:00 AM	5621						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	GBPPLN	11:30:00 AM	5622						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN	1:30:00 PM	5623						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN	3:30:00 PM	5624						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN.fx	9:30:00 AM	5625						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN.fx	11:30:00 AM	5626						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN.fx	1:30:00 PM	5627						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPPLN.fx	3:30:00 PM	5628						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK	9:30:00 AM	5629						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK	11:30:00 AM	5630						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK	1:30:00 PM	5631						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK	3:30:00 PM	5632						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK.fx	9:30:00 AM	5633						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK.fx	11:30:00 AM	5634						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK.fx	1:30:00 PM	5635						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSEK.fx	3:30:00 PM	5636						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD	9:30:00 AM	5637						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD	11:30:00 AM	5638						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD	1:30:00 PM	5639						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD	3:30:00 PM	5640						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD.fx	9:30:00 AM	5641						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD.fx	11:30:00 AM	5642						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD.fx	1:30:00 PM	5643						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPSGD.fx	3:30:00 PM	5644						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD	9:30:00 AM	5645						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD	11:30:00 AM	5646						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD	1:30:00 PM	5647						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD	3:30:00 PM	5648						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD.fx	9:30:00 AM	5649						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD.fx	11:30:00 AM	5650						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD.fx	1:30:00 PM	5651						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPUSD.fx	3:30:00 PM	5652						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR	9:30:00 AM	5653						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR	11:30:00 AM	5654						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR	1:30:00 PM	5655						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	GBPZAR	3:30:00 PM	5656						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR.fx	9:30:00 AM	5657						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR.fx	11:30:00 AM	5658						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR.fx	1:30:00 PM	5659						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GBPZAR.fx	3:30:00 PM	5660						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GOLD	9:30:00 AM	5661						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GOLD	11:30:00 AM	5662						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GOLD	1:30:00 PM	5663						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	GOLD	3:30:00 PM	5664						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY	9:30:00 AM	5665						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY	11:30:00 AM	5666						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY	1:30:00 PM	5667						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY	3:30:00 PM	5668						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY.fx	9:30:00 AM	5669						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY.fx	11:30:00 AM	5670						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY.fx	1:30:00 PM	5671						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HKDJPY.fx	3:30:00 PM	5672						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HUFJPY	9:30:00 AM	5673						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HUFJPY	11:30:00 AM	5674						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HUFJPY	1:30:00 PM	5675						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	HUFJPY	3:30:00 PM	5676						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JP225.i	9:30:00 AM	5677						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JP225.i	11:30:00 AM	5678						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JP225.i	1:30:00 PM	5679						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JP225.i	3:30:00 PM	5680						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	MXNJPY	9:30:00 AM	5681						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	MXNJPY	11:30:00 AM	5682						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	MXNJPY	1:30:00 PM	5683						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	MXNJPY	3:30:00 PM	5684						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NASDAQ.i	9:30:00 AM	5685						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NASDAQ.i	11:30:00 AM	5686						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NASDAQ.i	1:30:00 PM	5687						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NASDAQ.i	3:30:00 PM	5688						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY	9:30:00 AM	5689						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	NOKJPY	11:30:00 AM	5690						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY	1:30:00 PM	5691						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY	3:30:00 PM	5692						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY.fx	9:30:00 AM	5693						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY.fx	11:30:00 AM	5694						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY.fx	1:30:00 PM	5695						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NOKJPY.fx	3:30:00 PM	5696						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD	9:30:00 AM	5697						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD	11:30:00 AM	5698						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD	1:30:00 PM	5699						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD	3:30:00 PM	5700						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD.fx	9:30:00 AM	5701						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD.fx	11:30:00 AM	5702						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD.fx	1:30:00 PM	5703						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCAD.fx	3:30:00 PM	5704						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF	9:30:00 AM	5705						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF	11:30:00 AM	5706						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF	1:30:00 PM	5707						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF	3:30:00 PM	5708						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF.fx	9:30:00 AM	5709						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF.fx	11:30:00 AM	5710						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF.fx	1:30:00 PM	5711						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCHF.fx	3:30:00 PM	5712						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCZK	9:30:00 AM	5713						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCZK	11:30:00 AM	5714						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCZK	1:30:00 PM	5715						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDCZK	3:30:00 PM	5716						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDDKK	9:30:00 AM	5717						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDDKK	11:30:00 AM	5718						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDDKK	1:30:00 PM	5719						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDDKK	3:30:00 PM	5720						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHKD	9:30:00 AM	5721						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHKD	11:30:00 AM	5722						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHKD	1:30:00 PM	5723						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	NZDHKD	3:30:00 PM	5724						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHUF	9:30:00 AM	5725						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHUF	11:30:00 AM	5726						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHUF	1:30:00 PM	5727						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDHUF	3:30:00 PM	5728						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY	9:30:00 AM	5729						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY	11:30:00 AM	5730						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY	1:30:00 PM	5731						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY	3:30:00 PM	5732						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY.fx	9:30:00 AM	5733						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY.fx	11:30:00 AM	5734						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY.fx	1:30:00 PM	5735						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDJPY.fx	3:30:00 PM	5736						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDMXN	9:30:00 AM	5737						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDMXN	11:30:00 AM	5738						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDMXN	1:30:00 PM	5739						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDMXN	3:30:00 PM	5740						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDNOK	9:30:00 AM	5741						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDNOK	11:30:00 AM	5742						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDNOK	1:30:00 PM	5743						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDNOK	3:30:00 PM	5744						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDPLN	9:30:00 AM	5745						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDPLN	11:30:00 AM	5746						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDPLN	1:30:00 PM	5747						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDPLN	3:30:00 PM	5748						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSEK	9:30:00 AM	5749						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSEK	11:30:00 AM	5750						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSEK	1:30:00 PM	5751						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSEK	3:30:00 PM	5752						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD	9:30:00 AM	5753						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD	11:30:00 AM	5754						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD	1:30:00 PM	5755						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD	3:30:00 PM	5756						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD.fx	9:30:00 AM	5757						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	NZDSGD.fx	11:30:00 AM	5758						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD.fx	1:30:00 PM	5759						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDSGD.fx	3:30:00 PM	5760						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD	9:30:00 AM	5761						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD	11:30:00 AM	5762						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD	1:30:00 PM	5763						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD	3:30:00 PM	5764						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD.fx	9:30:00 AM	5765						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD.fx	11:30:00 AM	5766						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD.fx	1:30:00 PM	5767						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDUSD.fx	3:30:00 PM	5768						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDZAR	9:30:00 AM	5769						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDZAR	11:30:00 AM	5770						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDZAR	1:30:00 PM	5771						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	NZDZAR	3:30:00 PM	5772						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY	9:30:00 AM	5773						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY	11:30:00 AM	5774						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY	1:30:00 PM	5775						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY	3:30:00 PM	5776						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY.fx	9:30:00 AM	5777						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY.fx	11:30:00 AM	5778						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY.fx	1:30:00 PM	5779						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SEKJPY.fx	3:30:00 PM	5780						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SGDJPY	9:30:00 AM	5781						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SGDJPY	11:30:00 AM	5782						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SGDJPY	1:30:00 PM	5783						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SGDJPY	3:30:00 PM	5784						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SILVER	9:30:00 AM	5785						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SILVER	11:30:00 AM	5786						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SILVER	1:30:00 PM	5787						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SILVER	3:30:00 PM	5788						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SPX500.i	9:30:00 AM	5789						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SPX500.i	11:30:00 AM	5790						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	SPX500.i	1:30:00 PM	5791						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	SPX500.i	3:30:00 PM	5792						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	UK100.i	9:30:00 AM	5793						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	UK100.i	11:30:00 AM	5794						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	UK100.i	1:30:00 PM	5795						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	UK100.i	3:30:00 PM	5796						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD	9:30:00 AM	5797						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD	11:30:00 AM	5798						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD	1:30:00 PM	5799						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD	3:30:00 PM	5800						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD.fx	9:30:00 AM	5801						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD.fx	11:30:00 AM	5802						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD.fx	1:30:00 PM	5803						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCAD.fx	3:30:00 PM	5804						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF	9:30:00 AM	5805						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF	11:30:00 AM	5806						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF	1:30:00 PM	5807						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF	3:30:00 PM	5808						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF.fx	9:30:00 AM	5809						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF.fx	11:30:00 AM	5810						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF.fx	1:30:00 PM	5811						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCHF.fx	3:30:00 PM	5812						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK	9:30:00 AM	5813						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK	11:30:00 AM	5814						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK	1:30:00 PM	5815						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK	3:30:00 PM	5816						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK.fx	9:30:00 AM	5817						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK.fx	11:30:00 AM	5818						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK.fx	1:30:00 PM	5819						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDCZK.fx	3:30:00 PM	5820						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK	9:30:00 AM	5821						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK	11:30:00 AM	5822						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK	1:30:00 PM	5823						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK	3:30:00 PM	5824						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK.fx	9:30:00 AM	5825						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	USDDKK.fx	11:30:00 AM	5826						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK.fx	1:30:00 PM	5827						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDDKK.fx	3:30:00 PM	5828						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD	9:30:00 AM	5829						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD	11:30:00 AM	5830						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD	1:30:00 PM	5831						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD	3:30:00 PM	5832						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD.fx	9:30:00 AM	5833						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD.fx	11:30:00 AM	5834						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD.fx	1:30:00 PM	5835						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHKD.fx	3:30:00 PM	5836						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF	9:30:00 AM	5837						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF	11:30:00 AM	5838						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF	1:30:00 PM	5839						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF	3:30:00 PM	5840						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF.fx	9:30:00 AM	5841						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF.fx	11:30:00 AM	5842						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF.fx	1:30:00 PM	5843						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDHUF.fx	3:30:00 PM	5844						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDINR	9:30:00 AM	5845						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDINR	11:30:00 AM	5846						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDINR	1:30:00 PM	5847						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDINR	3:30:00 PM	5848						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY	9:30:00 AM	5849						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY	11:30:00 AM	5850						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY	1:30:00 PM	5851						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY	3:30:00 PM	5852						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY.fx	9:30:00 AM	5853						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY.fx	11:30:00 AM	5854						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY.fx	1:30:00 PM	5855						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDJPY.fx	3:30:00 PM	5856						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDMXN	9:30:00 AM	5857						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDMXN	11:30:00 AM	5858						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDMXN	1:30:00 PM	5859						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	USDMXN	3:30:00 PM	5860						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JSDMXN.fx	9:30:00 AM	5861						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JSDMXN.fx	11:30:00 AM	5862						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JSDMXN.fx	1:30:00 PM	5863						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	JSDMXN.fx	3:30:00 PM	5864						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK	9:30:00 AM	5865						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK	11:30:00 AM	5866						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK	1:30:00 PM	5867						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK	3:30:00 PM	5868						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK.fx	9:30:00 AM	5869						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK.fx	11:30:00 AM	5870						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK.fx	1:30:00 PM	5871						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDNOK.fx	3:30:00 PM	5872						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN	9:30:00 AM	5873						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN	11:30:00 AM	5874						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN	1:30:00 PM	5875						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN	3:30:00 PM	5876						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN.fx	9:30:00 AM	5877						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN.fx	11:30:00 AM	5878						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN.fx	1:30:00 PM	5879						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDPLN.fx	3:30:00 PM	5880						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDRUB	9:30:00 AM	5881						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDRUB	11:30:00 AM	5882						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDRUB	1:30:00 PM	5883						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDRUB	3:30:00 PM	5884						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK	9:30:00 AM	5885						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK	11:30:00 AM	5886						Continuous Quote	N/A	ELECTRONIC	N/A
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10/5/2019	USDSEK	3:30:00 PM	5888						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK.fx	9:30:00 AM	5889						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK.fx	11:30:00 AM	5890						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK.fx	1:30:00 PM	5891						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSEK.fx	3:30:00 PM	5892						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD	9:30:00 AM	5893						Continuous Quote	N/A	ELECTRONIC	N/A

10/5/2019	USDSGD	11:30:00 AM	5894						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD	1:30:00 PM	5895						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD	3:30:00 PM	5896						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD.fx	9:30:00 AM	5897						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD.fx	11:30:00 AM	5898						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD.fx	1:30:00 PM	5899						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDSGD.fx	3:30:00 PM	5900						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR	9:30:00 AM	5901						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR	11:30:00 AM	5902						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR	1:30:00 PM	5903						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR	3:30:00 PM	5904						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR.fx	9:30:00 AM	5905						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR.fx	11:30:00 AM	5906						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR.fx	1:30:00 PM	5907						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	USDZAR.fx	3:30:00 PM	5908						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	XAUUSD	9:30:00 AM	5909						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	XAUUSD	11:30:00 AM	5910						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	XAUUSD	1:30:00 PM	5911						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	XAUUSD	3:30:00 PM	5912						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	ZARJPY	9:30:00 AM	5913						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	ZARJPY	11:30:00 AM	5914						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	ZARJPY	1:30:00 PM	5915						Continuous Quote	N/A	ELECTRONIC	N/A
10/5/2019	ZARJPY	3:30:00 PM	5916						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#AABA	9:30:00 AM	5925						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#AABA	3:30:00 PM	5928						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#ADBE	11:30:00 AM	5938						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#AIG	3:30:00 PM	5944						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMD	9:30:00 AM	5945						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMD	11:30:00 AM	5946						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMD	1:30:00 PM	5947						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMD	3:30:00 PM	5948						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMZN	9:30:00 AM	5949						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMZN	11:30:00 AM	5950						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMZN	1:30:00 PM	5951						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AMZN	3:30:00 PM	5952						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AXP	9:30:00 AM	5953						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AXP	11:30:00 AM	5954						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AXP	1:30:00 PM	5955						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#AXP	3:30:00 PM	5956						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BA	9:30:00 AM	5957						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BA	11:30:00 AM	5958						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BA	1:30:00 PM	5959						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BA	3:30:00 PM	5960						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BABA	9:30:00 AM	5961						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	#BABA	11:30:00 AM	5962						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BABA	1:30:00 PM	5963						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BABA	3:30:00 PM	5964						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BAC	9:30:00 AM	5965						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BAC	11:30:00 AM	5966						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BAC	1:30:00 PM	5967						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BAC	3:30:00 PM	5968						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BARC	9:30:00 AM	5969						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	#BARC	11:30:00 AM	5970						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#Bitcoin	3:30:00 PM	5984						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#BK	1:30:00 PM	5987						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#BP	11:30:00 AM	5994						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#BTA	11:30:00 AM	5998						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#BTA	3:30:00 PM	6000						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#EBAY	3:30:00 PM	6044						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	#FSLR	3:30:00 PM	6068						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	AUDCHF	11:30:00 AM	6374						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF	1:30:00 PM	6375						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF	3:30:00 PM	6376						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF.fx	9:30:00 AM	6377						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF.fx	11:30:00 AM	6378						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF.fx	1:30:00 PM	6379						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCHF.fx	3:30:00 PM	6380						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCZK	9:30:00 AM	6381						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCZK	11:30:00 AM	6382						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCZK	1:30:00 PM	6383						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDCZK	3:30:00 PM	6384						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDDKK	9:30:00 AM	6385						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDDKK	11:30:00 AM	6386						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDDKK	1:30:00 PM	6387						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDDKK	3:30:00 PM	6388						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHKD	9:30:00 AM	6389						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHKD	11:30:00 AM	6390						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHKD	1:30:00 PM	6391						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHKD	3:30:00 PM	6392						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHUF	9:30:00 AM	6393						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHUF	11:30:00 AM	6394						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHUF	1:30:00 PM	6395						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDHUF	3:30:00 PM	6396						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY	9:30:00 AM	6397						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY	11:30:00 AM	6398						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY	1:30:00 PM	6399						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY	3:30:00 PM	6400						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY.fx	9:30:00 AM	6401						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY.fx	11:30:00 AM	6402						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDJPY.fx	1:30:00 PM	6403						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	AUDJPY.fx	3:30:00 PM	6404						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDMXN	9:30:00 AM	6405						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDMXN	11:30:00 AM	6406						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDMXN	1:30:00 PM	6407						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDMXN	3:30:00 PM	6408						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK	9:30:00 AM	6409						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK	11:30:00 AM	6410						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK	1:30:00 PM	6411						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK	3:30:00 PM	6412						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK.fx	9:30:00 AM	6413						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK.fx	11:30:00 AM	6414						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK.fx	1:30:00 PM	6415						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNOK.fx	3:30:00 PM	6416						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD	9:30:00 AM	6417						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD	11:30:00 AM	6418						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD	1:30:00 PM	6419						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD	3:30:00 PM	6420						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD.fx	9:30:00 AM	6421						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD.fx	11:30:00 AM	6422						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD.fx	1:30:00 PM	6423						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDNZD.fx	3:30:00 PM	6424						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDPLN	9:30:00 AM	6425						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDPLN	11:30:00 AM	6426						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDPLN	1:30:00 PM	6427						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDPLN	3:30:00 PM	6428						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK	9:30:00 AM	6429						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK	11:30:00 AM	6430						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK	1:30:00 PM	6431						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK	3:30:00 PM	6432						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK.fx	9:30:00 AM	6433						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK.fx	11:30:00 AM	6434						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK.fx	1:30:00 PM	6435						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSEK.fx	3:30:00 PM	6436						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD	9:30:00 AM	6437						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	AUDSGD	11:30:00 AM	6438						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD	1:30:00 PM	6439						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD	3:30:00 PM	6440						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD.fx	9:30:00 AM	6441						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD.fx	11:30:00 AM	6442						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD.fx	1:30:00 PM	6443						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDSGD.fx	3:30:00 PM	6444						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD	9:30:00 AM	6445						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD	11:30:00 AM	6446						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD	1:30:00 PM	6447						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD	3:30:00 PM	6448						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD.fx	9:30:00 AM	6449						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD.fx	11:30:00 AM	6450						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD.fx	1:30:00 PM	6451						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDUSD.fx	3:30:00 PM	6452						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDZAR	9:30:00 AM	6453						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDZAR	11:30:00 AM	6454						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDZAR	1:30:00 PM	6455						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUDZAR	3:30:00 PM	6456						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUS200.i	9:30:00 AM	6457						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUS200.i	11:30:00 AM	6458						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUS200.i	1:30:00 PM	6459						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	AUS200.i	3:30:00 PM	6460						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	BCHUSD	9:30:00 AM	6461						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	BCHUSD	11:30:00 AM	6462						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	BCHUSD	1:30:00 PM	6463						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	BCHUSD	3:30:00 PM	6464						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF	9:30:00 AM	6465						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF	11:30:00 AM	6466						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF	1:30:00 PM	6467						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF	3:30:00 PM	6468						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF.fx	9:30:00 AM	6469						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF.fx	11:30:00 AM	6470						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCHF.fx	1:30:00 PM	6471						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	CADCHF.fx	3:30:00 PM	6472						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCZK	9:30:00 AM	6473						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCZK	11:30:00 AM	6474						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCZK	1:30:00 PM	6475						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADCZK	3:30:00 PM	6476						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADDDK	9:30:00 AM	6477						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADDDK	11:30:00 AM	6478						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADDDK	1:30:00 PM	6479						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADDDK	3:30:00 PM	6480						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHKD	9:30:00 AM	6481						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHKD	11:30:00 AM	6482						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHKD	1:30:00 PM	6483						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHKD	3:30:00 PM	6484						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHUF	9:30:00 AM	6485						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHUF	11:30:00 AM	6486						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHUF	1:30:00 PM	6487						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADHUF	3:30:00 PM	6488						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY	9:30:00 AM	6489						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY	11:30:00 AM	6490						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY	1:30:00 PM	6491						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY	3:30:00 PM	6492						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY.fx	9:30:00 AM	6493						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY.fx	11:30:00 AM	6494						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY.fx	1:30:00 PM	6495						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADJPY.fx	3:30:00 PM	6496						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADMXN	9:30:00 AM	6497						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADMXN	11:30:00 AM	6498						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADMXN	1:30:00 PM	6499						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADMXN	3:30:00 PM	6500						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADNOK	9:30:00 AM	6501						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADNOK	11:30:00 AM	6502						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADNOK	1:30:00 PM	6503						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADNOK	3:30:00 PM	6504						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADPLN	9:30:00 AM	6505						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	CADPLN	11:30:00 AM	6506						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADPLN	1:30:00 PM	6507						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADPLN	3:30:00 PM	6508						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSEK	9:30:00 AM	6509						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSEK	11:30:00 AM	6510						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSEK	1:30:00 PM	6511						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSEK	3:30:00 PM	6512						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSGD	9:30:00 AM	6513						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSGD	11:30:00 AM	6514						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSGD	1:30:00 PM	6515						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADSGD	3:30:00 PM	6516						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADZAR	9:30:00 AM	6517						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADZAR	11:30:00 AM	6518						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADZAR	1:30:00 PM	6519						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CADZAR	3:30:00 PM	6520						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFCZK	9:30:00 AM	6521						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFCZK	11:30:00 AM	6522						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFCZK	1:30:00 PM	6523						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFCZK	3:30:00 PM	6524						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK	9:30:00 AM	6525						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK	11:30:00 AM	6526						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK	1:30:00 PM	6527						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK	3:30:00 PM	6528						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK.fx	9:30:00 AM	6529						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK.fx	11:30:00 AM	6530						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK.fx	1:30:00 PM	6531						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFDKK.fx	3:30:00 PM	6532						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHKD	9:30:00 AM	6533						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHKD	11:30:00 AM	6534						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHKD	1:30:00 PM	6535						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHKD	3:30:00 PM	6536						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHUF	9:30:00 AM	6537						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHUF	11:30:00 AM	6538						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFHUF	1:30:00 PM	6539						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	CHFHFUF	3:30:00 PM	6540						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY	9:30:00 AM	6541						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY	11:30:00 AM	6542						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY	1:30:00 PM	6543						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY	3:30:00 PM	6544						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY.fx	9:30:00 AM	6545						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY.fx	11:30:00 AM	6546						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY.fx	1:30:00 PM	6547						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFJPY.fx	3:30:00 PM	6548						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	CHFMXN	11:30:00 AM	6550						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFMXN	1:30:00 PM	6551						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFMXN	3:30:00 PM	6552						Continuous Quote	N/A	ELECTRONIC	N/A
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10/6/2019	CHFNOK	11:30:00 AM	6554						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK	1:30:00 PM	6555						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK	3:30:00 PM	6556						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK.fx	9:30:00 AM	6557						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK.fx	11:30:00 AM	6558						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK.fx	1:30:00 PM	6559						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFNOK.fx	3:30:00 PM	6560						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN	9:30:00 AM	6561						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN	11:30:00 AM	6562						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN	1:30:00 PM	6563						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN	3:30:00 PM	6564						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN.fx	9:30:00 AM	6565						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN.fx	11:30:00 AM	6566						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN.fx	1:30:00 PM	6567						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFPLN.fx	3:30:00 PM	6568						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSEK	9:30:00 AM	6569						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSEK	11:30:00 AM	6570						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSEK	1:30:00 PM	6571						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSEK	3:30:00 PM	6572						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD	9:30:00 AM	6573						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	CHFSGD	11:30:00 AM	6574						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD	1:30:00 PM	6575						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD	3:30:00 PM	6576						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD.fx	9:30:00 AM	6577						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD.fx	11:30:00 AM	6578						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD.fx	1:30:00 PM	6579						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFSGD.fx	3:30:00 PM	6580						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFZAR	9:30:00 AM	6581						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFZAR	11:30:00 AM	6582						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFZAR	1:30:00 PM	6583						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CHFZAR	3:30:00 PM	6584						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CZKJPY	9:30:00 AM	6585						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CZKJPY	11:30:00 AM	6586						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CZKJPY	1:30:00 PM	6587						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	CZKJPY	3:30:00 PM	6588						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DAX30.i	9:30:00 AM	6589						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DAX30.i	11:30:00 AM	6590						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DAX30.i	1:30:00 PM	6591						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DAX30.i	3:30:00 PM	6592						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DJ30.i	9:30:00 AM	6593						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DJ30.i	11:30:00 AM	6594						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DJ30.i	1:30:00 PM	6595						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DJ30.i	3:30:00 PM	6596						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DKKJPY	9:30:00 AM	6597						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DKKJPY	11:30:00 AM	6598						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DKKJPY	1:30:00 PM	6599						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	DKKJPY	3:30:00 PM	6600						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD	9:30:00 AM	6601						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD	11:30:00 AM	6602						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD	1:30:00 PM	6603						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD	3:30:00 PM	6604						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD.fx	9:30:00 AM	6605						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD.fx	11:30:00 AM	6606						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURAUD.fx	1:30:00 PM	6607						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	EURAUD.fx	3:30:00 PM	6608						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD	9:30:00 AM	6609						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD	11:30:00 AM	6610						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD	1:30:00 PM	6611						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD	3:30:00 PM	6612						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD.fx	9:30:00 AM	6613						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD.fx	11:30:00 AM	6614						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD.fx	1:30:00 PM	6615						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCAD.fx	3:30:00 PM	6616						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF	9:30:00 AM	6617						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF	11:30:00 AM	6618						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF	1:30:00 PM	6619						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF	3:30:00 PM	6620						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF.fx	9:30:00 AM	6621						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF.fx	11:30:00 AM	6622						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF.fx	1:30:00 PM	6623						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCHF.fx	3:30:00 PM	6624						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCZK	9:30:00 AM	6625						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCZK	11:30:00 AM	6626						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCZK	1:30:00 PM	6627						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURCZK	3:30:00 PM	6628						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURDKK	9:30:00 AM	6629						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURDKK	11:30:00 AM	6630						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURDKK	1:30:00 PM	6631						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURDKK	3:30:00 PM	6632						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP	9:30:00 AM	6633						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP	11:30:00 AM	6634						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP	1:30:00 PM	6635						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP	3:30:00 PM	6636						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP.fx	9:30:00 AM	6637						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP.fx	11:30:00 AM	6638						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP.fx	1:30:00 PM	6639						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURGBP.fx	3:30:00 PM	6640						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD	9:30:00 AM	6641						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	EURHKD	11:30:00 AM	6642						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD	1:30:00 PM	6643						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD	3:30:00 PM	6644						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD.fx	9:30:00 AM	6645						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD.fx	11:30:00 AM	6646						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD.fx	1:30:00 PM	6647						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHKD.fx	3:30:00 PM	6648						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF	9:30:00 AM	6649						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF	11:30:00 AM	6650						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF	1:30:00 PM	6651						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF	3:30:00 PM	6652						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF.fx	9:30:00 AM	6653						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF.fx	11:30:00 AM	6654						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF.fx	1:30:00 PM	6655						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURHUF.fx	3:30:00 PM	6656						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY	9:30:00 AM	6657						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY	11:30:00 AM	6658						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY	1:30:00 PM	6659						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY	3:30:00 PM	6660						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY.fx	9:30:00 AM	6661						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY.fx	11:30:00 AM	6662						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY.fx	1:30:00 PM	6663						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURJPY.fx	3:30:00 PM	6664						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN	9:30:00 AM	6665						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN	11:30:00 AM	6666						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN	1:30:00 PM	6667						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN	3:30:00 PM	6668						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN.fx	9:30:00 AM	6669						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN.fx	11:30:00 AM	6670						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN.fx	1:30:00 PM	6671						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURMXN.fx	3:30:00 PM	6672						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK	9:30:00 AM	6673						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK	11:30:00 AM	6674						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK	1:30:00 PM	6675						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	EURNOK	3:30:00 PM	6676						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK.fx	9:30:00 AM	6677						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK.fx	11:30:00 AM	6678						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK.fx	1:30:00 PM	6679						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNOK.fx	3:30:00 PM	6680						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD	9:30:00 AM	6681						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD	11:30:00 AM	6682						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD	1:30:00 PM	6683						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD	3:30:00 PM	6684						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD.fx	9:30:00 AM	6685						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD.fx	11:30:00 AM	6686						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD.fx	1:30:00 PM	6687						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURNZD.fx	3:30:00 PM	6688						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN	9:30:00 AM	6689						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN	11:30:00 AM	6690						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN	1:30:00 PM	6691						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN	3:30:00 PM	6692						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN.fx	9:30:00 AM	6693						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN.fx	11:30:00 AM	6694						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN.fx	1:30:00 PM	6695						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURPLN.fx	3:30:00 PM	6696						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURRUB	9:30:00 AM	6697						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURRUB	11:30:00 AM	6698						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURRUB	1:30:00 PM	6699						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURRUB	3:30:00 PM	6700						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK	9:30:00 AM	6701						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK	11:30:00 AM	6702						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK	1:30:00 PM	6703						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK	3:30:00 PM	6704						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK.fx	9:30:00 AM	6705						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK.fx	11:30:00 AM	6706						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK.fx	1:30:00 PM	6707						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSEK.fx	3:30:00 PM	6708						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD	9:30:00 AM	6709						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	EURSGD	11:30:00 AM	6710						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD	1:30:00 PM	6711						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD	3:30:00 PM	6712						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD.fx	9:30:00 AM	6713						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD.fx	11:30:00 AM	6714						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD.fx	1:30:00 PM	6715						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURSGD.fx	3:30:00 PM	6716						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD	9:30:00 AM	6717						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD	11:30:00 AM	6718						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD	1:30:00 PM	6719						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD	3:30:00 PM	6720						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD.fx	9:30:00 AM	6721						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD.fx	11:30:00 AM	6722						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD.fx	1:30:00 PM	6723						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURUSD.fx	3:30:00 PM	6724						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR	9:30:00 AM	6725						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR	11:30:00 AM	6726						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR	1:30:00 PM	6727						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR	3:30:00 PM	6728						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR.fx	9:30:00 AM	6729						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR.fx	11:30:00 AM	6730						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR.fx	1:30:00 PM	6731						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	EURZAR.fx	3:30:00 PM	6732						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD	9:30:00 AM	6733						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD	11:30:00 AM	6734						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD	1:30:00 PM	6735						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD	3:30:00 PM	6736						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD.fx	9:30:00 AM	6737						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD.fx	11:30:00 AM	6738						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD.fx	1:30:00 PM	6739						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPAUD.fx	3:30:00 PM	6740						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD	9:30:00 AM	6741						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD	11:30:00 AM	6742						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD	1:30:00 PM	6743						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	GBPCAD	3:30:00 PM	6744						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD.fx	9:30:00 AM	6745						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD.fx	11:30:00 AM	6746						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD.fx	1:30:00 PM	6747						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCAD.fx	3:30:00 PM	6748						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF	9:30:00 AM	6749						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF	11:30:00 AM	6750						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF	1:30:00 PM	6751						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF	3:30:00 PM	6752						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF.fx	9:30:00 AM	6753						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF.fx	11:30:00 AM	6754						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF.fx	1:30:00 PM	6755						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCHF.fx	3:30:00 PM	6756						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCZK	9:30:00 AM	6757						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCZK	11:30:00 AM	6758						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCZK	1:30:00 PM	6759						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPCZK	3:30:00 PM	6760						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK	9:30:00 AM	6761						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK	11:30:00 AM	6762						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK	1:30:00 PM	6763						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK	3:30:00 PM	6764						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK.fx	9:30:00 AM	6765						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK.fx	11:30:00 AM	6766						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK.fx	1:30:00 PM	6767						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPDKK.fx	3:30:00 PM	6768						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHKD	9:30:00 AM	6769						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHKD	11:30:00 AM	6770						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHKD	1:30:00 PM	6771						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHKD	3:30:00 PM	6772						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHUF	9:30:00 AM	6773						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHUF	11:30:00 AM	6774						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHUF	1:30:00 PM	6775						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPHUF	3:30:00 PM	6776						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY	9:30:00 AM	6777						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	GBPJPY	11:30:00 AM	6778						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY	1:30:00 PM	6779						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY	3:30:00 PM	6780						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY.fx	9:30:00 AM	6781						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY.fx	11:30:00 AM	6782						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY.fx	1:30:00 PM	6783						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPJPY.fx	3:30:00 PM	6784						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPMXN	9:30:00 AM	6785						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPMXN	11:30:00 AM	6786						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPMXN	1:30:00 PM	6787						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPMXN	3:30:00 PM	6788						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK	9:30:00 AM	6789						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK	11:30:00 AM	6790						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK	1:30:00 PM	6791						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK	3:30:00 PM	6792						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK.fx	9:30:00 AM	6793						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK.fx	11:30:00 AM	6794						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK.fx	1:30:00 PM	6795						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNOK.fx	3:30:00 PM	6796						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD	9:30:00 AM	6797						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD	11:30:00 AM	6798						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD	1:30:00 PM	6799						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD	3:30:00 PM	6800						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD.fx	9:30:00 AM	6801						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD.fx	11:30:00 AM	6802						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD.fx	1:30:00 PM	6803						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPNZD.fx	3:30:00 PM	6804						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN	9:30:00 AM	6805						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN	11:30:00 AM	6806						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN	1:30:00 PM	6807						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN	3:30:00 PM	6808						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN.fx	9:30:00 AM	6809						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN.fx	11:30:00 AM	6810						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPPLN.fx	1:30:00 PM	6811						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	GBPPLN.fx	3:30:00 PM	6812						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK	9:30:00 AM	6813						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK	11:30:00 AM	6814						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK	1:30:00 PM	6815						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK	3:30:00 PM	6816						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK.fx	9:30:00 AM	6817						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK.fx	11:30:00 AM	6818						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK.fx	1:30:00 PM	6819						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSEK.fx	3:30:00 PM	6820						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD	9:30:00 AM	6821						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD	11:30:00 AM	6822						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD	1:30:00 PM	6823						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD	3:30:00 PM	6824						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD.fx	9:30:00 AM	6825						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD.fx	11:30:00 AM	6826						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD.fx	1:30:00 PM	6827						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPSGD.fx	3:30:00 PM	6828						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD	9:30:00 AM	6829						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD	11:30:00 AM	6830						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD	1:30:00 PM	6831						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD	3:30:00 PM	6832						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD.fx	9:30:00 AM	6833						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD.fx	11:30:00 AM	6834						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD.fx	1:30:00 PM	6835						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPUSD.fx	3:30:00 PM	6836						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR	9:30:00 AM	6837						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR	11:30:00 AM	6838						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR	1:30:00 PM	6839						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR	3:30:00 PM	6840						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR.fx	9:30:00 AM	6841						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR.fx	11:30:00 AM	6842						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR.fx	1:30:00 PM	6843						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GBPZAR.fx	3:30:00 PM	6844						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GOLD	9:30:00 AM	6845						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	GOLD	11:30:00 AM	6846						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GOLD	1:30:00 PM	6847						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	GOLD	3:30:00 PM	6848						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY	9:30:00 AM	6849						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY	11:30:00 AM	6850						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY	1:30:00 PM	6851						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY	3:30:00 PM	6852						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY.fx	9:30:00 AM	6853						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY.fx	11:30:00 AM	6854						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY.fx	1:30:00 PM	6855						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HKDJPY.fx	3:30:00 PM	6856						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HUFJPY	9:30:00 AM	6857						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HUFJPY	11:30:00 AM	6858						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HUFJPY	1:30:00 PM	6859						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	HUFJPY	3:30:00 PM	6860						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JP225.i	9:30:00 AM	6861						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JP225.i	11:30:00 AM	6862						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JP225.i	1:30:00 PM	6863						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JP225.i	3:30:00 PM	6864						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	MXNJPY	9:30:00 AM	6865						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	MXNJPY	11:30:00 AM	6866						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	MXNJPY	1:30:00 PM	6867						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	MXNJPY	3:30:00 PM	6868						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NASDAQ.i	9:30:00 AM	6869						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NASDAQ.i	11:30:00 AM	6870						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NASDAQ.i	1:30:00 PM	6871						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NASDAQ.i	3:30:00 PM	6872						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY	9:30:00 AM	6873						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY	11:30:00 AM	6874						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY	1:30:00 PM	6875						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY	3:30:00 PM	6876						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY.fx	9:30:00 AM	6877						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY.fx	11:30:00 AM	6878						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NOKJPY.fx	1:30:00 PM	6879						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	NOKJPY.fx	3:30:00 PM	6880						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD	9:30:00 AM	6881						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD	11:30:00 AM	6882						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD	1:30:00 PM	6883						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD	3:30:00 PM	6884						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD.fx	9:30:00 AM	6885						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD.fx	11:30:00 AM	6886						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD.fx	1:30:00 PM	6887						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCAD.fx	3:30:00 PM	6888						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF	9:30:00 AM	6889						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF	11:30:00 AM	6890						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF	1:30:00 PM	6891						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF	3:30:00 PM	6892						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF.fx	9:30:00 AM	6893						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF.fx	11:30:00 AM	6894						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF.fx	1:30:00 PM	6895						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCHF.fx	3:30:00 PM	6896						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCZK	9:30:00 AM	6897						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCZK	11:30:00 AM	6898						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCZK	1:30:00 PM	6899						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDCZK	3:30:00 PM	6900						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDDKK	9:30:00 AM	6901						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDDKK	11:30:00 AM	6902						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDDKK	1:30:00 PM	6903						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDDKK	3:30:00 PM	6904						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHKD	9:30:00 AM	6905						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHKD	11:30:00 AM	6906						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHKD	1:30:00 PM	6907						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHKD	3:30:00 PM	6908						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHUF	9:30:00 AM	6909						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHUF	11:30:00 AM	6910						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHUF	1:30:00 PM	6911						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDHUF	3:30:00 PM	6912						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY	9:30:00 AM	6913						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	NZDJPY	11:30:00 AM	6914						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY	1:30:00 PM	6915						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY	3:30:00 PM	6916						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY.fx	9:30:00 AM	6917						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY.fx	11:30:00 AM	6918						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY.fx	1:30:00 PM	6919						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDJPY.fx	3:30:00 PM	6920						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDMXN	9:30:00 AM	6921						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDMXN	11:30:00 AM	6922						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDMXN	1:30:00 PM	6923						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDMXN	3:30:00 PM	6924						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDNOK	9:30:00 AM	6925						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDNOK	11:30:00 AM	6926						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDNOK	1:30:00 PM	6927						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDNOK	3:30:00 PM	6928						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDPLN	9:30:00 AM	6929						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDPLN	11:30:00 AM	6930						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDPLN	1:30:00 PM	6931						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDPLN	3:30:00 PM	6932						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSEK	9:30:00 AM	6933						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSEK	11:30:00 AM	6934						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSEK	1:30:00 PM	6935						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSEK	3:30:00 PM	6936						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD	9:30:00 AM	6937						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD	11:30:00 AM	6938						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD	1:30:00 PM	6939						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD	3:30:00 PM	6940						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD.fx	9:30:00 AM	6941						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD.fx	11:30:00 AM	6942						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD.fx	1:30:00 PM	6943						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDSGD.fx	3:30:00 PM	6944						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD	9:30:00 AM	6945						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD	11:30:00 AM	6946						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD	1:30:00 PM	6947						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	NZDUSD	3:30:00 PM	6948						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD.fx	9:30:00 AM	6949						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD.fx	11:30:00 AM	6950						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD.fx	1:30:00 PM	6951						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDUSD.fx	3:30:00 PM	6952						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDZAR	9:30:00 AM	6953						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDZAR	11:30:00 AM	6954						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDZAR	1:30:00 PM	6955						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	NZDZAR	3:30:00 PM	6956						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY	9:30:00 AM	6957						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY	11:30:00 AM	6958						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY	1:30:00 PM	6959						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY	3:30:00 PM	6960						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY.fx	9:30:00 AM	6961						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY.fx	11:30:00 AM	6962						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY.fx	1:30:00 PM	6963						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SEKJPY.fx	3:30:00 PM	6964						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SGDJPY	9:30:00 AM	6965						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SGDJPY	11:30:00 AM	6966						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SGDJPY	1:30:00 PM	6967						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SGDJPY	3:30:00 PM	6968						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SILVER	9:30:00 AM	6969						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SILVER	11:30:00 AM	6970						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SILVER	1:30:00 PM	6971						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SILVER	3:30:00 PM	6972						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SPX500.i	9:30:00 AM	6973						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SPX500.i	11:30:00 AM	6974						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SPX500.i	1:30:00 PM	6975						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	SPX500.i	3:30:00 PM	6976						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	UK100.i	9:30:00 AM	6977						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	UK100.i	11:30:00 AM	6978						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	UK100.i	1:30:00 PM	6979						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	UK100.i	3:30:00 PM	6980						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD	9:30:00 AM	6981						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	USDCAD	11:30:00 AM	6982						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD	1:30:00 PM	6983						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD	3:30:00 PM	6984						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD.fx	9:30:00 AM	6985						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD.fx	11:30:00 AM	6986						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD.fx	1:30:00 PM	6987						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCAD.fx	3:30:00 PM	6988						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF	9:30:00 AM	6989						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF	11:30:00 AM	6990						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF	1:30:00 PM	6991						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF	3:30:00 PM	6992						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF.fx	9:30:00 AM	6993						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF.fx	11:30:00 AM	6994						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF.fx	1:30:00 PM	6995						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCHF.fx	3:30:00 PM	6996						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK	9:30:00 AM	6997						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK	11:30:00 AM	6998						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK	1:30:00 PM	6999						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK	3:30:00 PM	7000						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK.fx	9:30:00 AM	7001						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK.fx	11:30:00 AM	7002						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK.fx	1:30:00 PM	7003						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDCZK.fx	3:30:00 PM	7004						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK	9:30:00 AM	7005						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK	11:30:00 AM	7006						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK	1:30:00 PM	7007						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK	3:30:00 PM	7008						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK.fx	9:30:00 AM	7009						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK.fx	11:30:00 AM	7010						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK.fx	1:30:00 PM	7011						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDDKK.fx	3:30:00 PM	7012						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD	9:30:00 AM	7013						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD	11:30:00 AM	7014						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD	1:30:00 PM	7015						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	USDHKD	3:30:00 PM	7016						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD.fx	9:30:00 AM	7017						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD.fx	11:30:00 AM	7018						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD.fx	1:30:00 PM	7019						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHKD.fx	3:30:00 PM	7020						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF	9:30:00 AM	7021						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF	11:30:00 AM	7022						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF	1:30:00 PM	7023						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF	3:30:00 PM	7024						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF.fx	9:30:00 AM	7025						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF.fx	11:30:00 AM	7026						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF.fx	1:30:00 PM	7027						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDHUF.fx	3:30:00 PM	7028						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDINR	9:30:00 AM	7029						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDINR	11:30:00 AM	7030						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDINR	1:30:00 PM	7031						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDINR	3:30:00 PM	7032						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY	9:30:00 AM	7033						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY	11:30:00 AM	7034						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY	1:30:00 PM	7035						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY	3:30:00 PM	7036						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY.fx	9:30:00 AM	7037						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY.fx	11:30:00 AM	7038						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY.fx	1:30:00 PM	7039						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDJPY.fx	3:30:00 PM	7040						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDMXN	9:30:00 AM	7041						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDMXN	11:30:00 AM	7042						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDMXN	1:30:00 PM	7043						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDMXN	3:30:00 PM	7044						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JSDMXN.fx	9:30:00 AM	7045						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JSDMXN.fx	11:30:00 AM	7046						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JSDMXN.fx	1:30:00 PM	7047						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	JSDMXN.fx	3:30:00 PM	7048						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK	9:30:00 AM	7049						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	USDNOK	11:30:00 AM	7050						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK	1:30:00 PM	7051						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK	3:30:00 PM	7052						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK.fx	9:30:00 AM	7053						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK.fx	11:30:00 AM	7054						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK.fx	1:30:00 PM	7055						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDNOK.fx	3:30:00 PM	7056						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN	9:30:00 AM	7057						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN	11:30:00 AM	7058						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN	1:30:00 PM	7059						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN	3:30:00 PM	7060						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN.fx	9:30:00 AM	7061						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN.fx	11:30:00 AM	7062						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN.fx	1:30:00 PM	7063						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDPLN.fx	3:30:00 PM	7064						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDRUB	9:30:00 AM	7065						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDRUB	11:30:00 AM	7066						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDRUB	1:30:00 PM	7067						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDRUB	3:30:00 PM	7068						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK	9:30:00 AM	7069						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK	11:30:00 AM	7070						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK	1:30:00 PM	7071						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK	3:30:00 PM	7072						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK.fx	9:30:00 AM	7073						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK.fx	11:30:00 AM	7074						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK.fx	1:30:00 PM	7075						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSEK.fx	3:30:00 PM	7076						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD	9:30:00 AM	7077						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD	11:30:00 AM	7078						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD	1:30:00 PM	7079						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD	3:30:00 PM	7080						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD.fx	9:30:00 AM	7081						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD.fx	11:30:00 AM	7082						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDSGD.fx	1:30:00 PM	7083						Continuous Quote	N/A	ELECTRONIC	N/A

10/6/2019	USDSGD.fx	3:30:00 PM	7084						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR	9:30:00 AM	7085						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR	11:30:00 AM	7086						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR	1:30:00 PM	7087						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR	3:30:00 PM	7088						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR.fx	9:30:00 AM	7089						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR.fx	11:30:00 AM	7090						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR.fx	1:30:00 PM	7091						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	USDZAR.fx	3:30:00 PM	7092						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	XAUUSD	9:30:00 AM	7093						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	XAUUSD	11:30:00 AM	7094						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	XAUUSD	1:30:00 PM	7095						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	XAUUSD	3:30:00 PM	7096						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY	9:30:00 AM	7097						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY	11:30:00 AM	7098						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY	1:30:00 PM	7099						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY	3:30:00 PM	7100						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY.fx	9:30:00 AM	7101						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY.fx	11:30:00 AM	7102						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY.fx	1:30:00 PM	7103						Continuous Quote	N/A	ELECTRONIC	N/A
10/6/2019	ZARJPY.fx	3:30:00 PM	7104						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AA	9:30:00 AM	7105						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AA	11:30:00 AM	7106						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AA	1:30:00 PM	7107						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AA	3:30:00 PM	7108						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AABA	9:30:00 AM	7109						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AABA	11:30:00 AM	7110						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AABA	1:30:00 PM	7111						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AABA	3:30:00 PM	7112						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAL	9:30:00 AM	7113						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAL	11:30:00 AM	7114						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAL	1:30:00 PM	7115						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAL	3:30:00 PM	7116						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAPL	9:30:00 AM	7117						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	#AAPL	11:30:00 AM	7118						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAPL	1:30:00 PM	7119						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AAPL	3:30:00 PM	7120						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#ADBE	9:30:00 AM	7121						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#ADBE	11:30:00 AM	7122						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#ADBE	1:30:00 PM	7123						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#ADBE	3:30:00 PM	7124						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AIG	9:30:00 AM	7125						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AIG	11:30:00 AM	7126						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AIG	1:30:00 PM	7127						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AIG	3:30:00 PM	7128						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMD	9:30:00 AM	7129						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMD	11:30:00 AM	7130						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMD	1:30:00 PM	7131						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMD	3:30:00 PM	7132						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMZN	9:30:00 AM	7133						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMZN	11:30:00 AM	7134						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMZN	1:30:00 PM	7135						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AMZN	3:30:00 PM	7136						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AXP	9:30:00 AM	7137						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AXP	11:30:00 AM	7138						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AXP	1:30:00 PM	7139						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#AXP	3:30:00 PM	7140						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BA	9:30:00 AM	7141						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BA	11:30:00 AM	7142						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BA	1:30:00 PM	7143						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BA	3:30:00 PM	7144						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BABA	9:30:00 AM	7145						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BABA	11:30:00 AM	7146						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BABA	1:30:00 PM	7147						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BABA	3:30:00 PM	7148						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BAC	9:30:00 AM	7149						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BAC	11:30:00 AM	7150						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BAC	1:30:00 PM	7151						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	#BAC	3:30:00 PM	7152						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BARC	9:30:00 AM	7153						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BARC	11:30:00 AM	7154						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BARC	1:30:00 PM	7155						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BARC	3:30:00 PM	7156						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BHP	9:30:00 AM	7157						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BHP	11:30:00 AM	7158						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	#BHP	1:30:00 PM	7159						Continuous Quote	N/A	ELECTRONIC	N/A
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10/7/2019	AUDCZK	9:30:00 AM	7565						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDCZK	11:30:00 AM	7566						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDCZK	1:30:00 PM	7567						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDCZK	3:30:00 PM	7568						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDDKK	9:30:00 AM	7569						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDDKK	11:30:00 AM	7570						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDDKK	1:30:00 PM	7571						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDDKK	3:30:00 PM	7572						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHKD	9:30:00 AM	7573						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHKD	11:30:00 AM	7574						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHKD	1:30:00 PM	7575						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHKD	3:30:00 PM	7576						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHUF	9:30:00 AM	7577						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHUF	11:30:00 AM	7578						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHUF	1:30:00 PM	7579						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDHUF	3:30:00 PM	7580						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY	9:30:00 AM	7581						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY	11:30:00 AM	7582						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY	1:30:00 PM	7583						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY	3:30:00 PM	7584						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY.fx	9:30:00 AM	7585						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY.fx	11:30:00 AM	7586						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY.fx	1:30:00 PM	7587						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDJPY.fx	3:30:00 PM	7588						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDMXN	9:30:00 AM	7589						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDMXN	11:30:00 AM	7590						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDMXN	1:30:00 PM	7591						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDMXN	3:30:00 PM	7592						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK	9:30:00 AM	7593						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	AUDNOK	11:30:00 AM	7594						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK	1:30:00 PM	7595						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK	3:30:00 PM	7596						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK.fx	9:30:00 AM	7597						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK.fx	11:30:00 AM	7598						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK.fx	1:30:00 PM	7599						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNOK.fx	3:30:00 PM	7600						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD	9:30:00 AM	7601						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD	11:30:00 AM	7602						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD	1:30:00 PM	7603						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD	3:30:00 PM	7604						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD.fx	9:30:00 AM	7605						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD.fx	11:30:00 AM	7606						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD.fx	1:30:00 PM	7607						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDNZD.fx	3:30:00 PM	7608						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDPLN	9:30:00 AM	7609						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDPLN	11:30:00 AM	7610						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDPLN	1:30:00 PM	7611						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDPLN	3:30:00 PM	7612						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK	9:30:00 AM	7613						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK	11:30:00 AM	7614						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK	1:30:00 PM	7615						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK	3:30:00 PM	7616						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK.fx	9:30:00 AM	7617						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK.fx	11:30:00 AM	7618						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK.fx	1:30:00 PM	7619						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSEK.fx	3:30:00 PM	7620						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD	9:30:00 AM	7621						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD	11:30:00 AM	7622						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD	1:30:00 PM	7623						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD	3:30:00 PM	7624						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD.fx	9:30:00 AM	7625						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD.fx	11:30:00 AM	7626						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDSGD.fx	1:30:00 PM	7627						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	AUDSGD.fx	3:30:00 PM	7628						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD	9:30:00 AM	7629						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD	11:30:00 AM	7630						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD	1:30:00 PM	7631						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD	3:30:00 PM	7632						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD.fx	9:30:00 AM	7633						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD.fx	11:30:00 AM	7634						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD.fx	1:30:00 PM	7635						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDUSD.fx	3:30:00 PM	7636						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDZAR	9:30:00 AM	7637						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDZAR	11:30:00 AM	7638						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDZAR	1:30:00 PM	7639						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUDZAR	3:30:00 PM	7640						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUS200.i	9:30:00 AM	7641						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUS200.i	11:30:00 AM	7642						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUS200.i	1:30:00 PM	7643						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	AUS200.i	3:30:00 PM	7644						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	BCHUSD	9:30:00 AM	7645						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	BCHUSD	11:30:00 AM	7646						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	BCHUSD	1:30:00 PM	7647						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	BCHUSD	3:30:00 PM	7648						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF	9:30:00 AM	7649						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF	11:30:00 AM	7650						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF	1:30:00 PM	7651						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF	3:30:00 PM	7652						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF.fx	9:30:00 AM	7653						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF.fx	11:30:00 AM	7654						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF.fx	1:30:00 PM	7655						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCHF.fx	3:30:00 PM	7656						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCZK	9:30:00 AM	7657						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCZK	11:30:00 AM	7658						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCZK	1:30:00 PM	7659						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADCZK	3:30:00 PM	7660						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADKK	9:30:00 AM	7661						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	CADDDK	11:30:00 AM	7662						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADDDK	1:30:00 PM	7663						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADDDK	3:30:00 PM	7664						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHKD	9:30:00 AM	7665						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHKD	11:30:00 AM	7666						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHKD	1:30:00 PM	7667						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHKD	3:30:00 PM	7668						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHUF	9:30:00 AM	7669						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHUF	11:30:00 AM	7670						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHUF	1:30:00 PM	7671						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADHUF	3:30:00 PM	7672						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY	9:30:00 AM	7673						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY	11:30:00 AM	7674						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY	1:30:00 PM	7675						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY	3:30:00 PM	7676						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY.fx	9:30:00 AM	7677						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY.fx	11:30:00 AM	7678						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY.fx	1:30:00 PM	7679						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADJPY.fx	3:30:00 PM	7680						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADMXN	9:30:00 AM	7681						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADMXN	11:30:00 AM	7682						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADMXN	1:30:00 PM	7683						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADMXN	3:30:00 PM	7684						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADNOK	9:30:00 AM	7685						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADNOK	11:30:00 AM	7686						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADNOK	1:30:00 PM	7687						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADNOK	3:30:00 PM	7688						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADPLN	9:30:00 AM	7689						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADPLN	11:30:00 AM	7690						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADPLN	1:30:00 PM	7691						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADPLN	3:30:00 PM	7692						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSEK	9:30:00 AM	7693						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSEK	11:30:00 AM	7694						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSEK	1:30:00 PM	7695						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	CADSEK	3:30:00 PM	7696						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSGD	9:30:00 AM	7697						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSGD	11:30:00 AM	7698						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSGD	1:30:00 PM	7699						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADSGD	3:30:00 PM	7700						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADZAR	9:30:00 AM	7701						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADZAR	11:30:00 AM	7702						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADZAR	1:30:00 PM	7703						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CADZAR	3:30:00 PM	7704						Continuous Quote	N/A	ELECTRONIC	N/A
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10/7/2019	CHFCZK	11:30:00 AM	7706						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFCZK	1:30:00 PM	7707						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFCZK	3:30:00 PM	7708						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFDKK	9:30:00 AM	7709						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFDKK	11:30:00 AM	7710						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFDKK	1:30:00 PM	7711						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFDKK	3:30:00 PM	7712						Continuous Quote	N/A	ELECTRONIC	N/A
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10/7/2019	CHFHKD	9:30:00 AM	7717						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHKD	11:30:00 AM	7718						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHKD	1:30:00 PM	7719						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHKD	3:30:00 PM	7720						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHUF	9:30:00 AM	7721						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHUF	11:30:00 AM	7722						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHUF	1:30:00 PM	7723						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFHUF	3:30:00 PM	7724						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY	9:30:00 AM	7725						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY	11:30:00 AM	7726						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY	1:30:00 PM	7727						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY	3:30:00 PM	7728						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY.fx	9:30:00 AM	7729						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	CHFJPY.fx	11:30:00 AM	7730						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY.fx	1:30:00 PM	7731						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFJPY.fx	3:30:00 PM	7732						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFMXN	9:30:00 AM	7733						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFMXN	11:30:00 AM	7734						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFMXN	1:30:00 PM	7735						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFMXN	3:30:00 PM	7736						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK	9:30:00 AM	7737						Continuous Quote	N/A	ELECTRONIC	N/A
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10/7/2019	CHFNOK	1:30:00 PM	7739						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK	3:30:00 PM	7740						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK.fx	9:30:00 AM	7741						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK.fx	11:30:00 AM	7742						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK.fx	1:30:00 PM	7743						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFNOK.fx	3:30:00 PM	7744						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN	9:30:00 AM	7745						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN	11:30:00 AM	7746						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN	1:30:00 PM	7747						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN	3:30:00 PM	7748						Continuous Quote	N/A	ELECTRONIC	N/A
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10/7/2019	CHFPLN.fx	11:30:00 AM	7750						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN.fx	1:30:00 PM	7751						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFPLN.fx	3:30:00 PM	7752						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSEK	9:30:00 AM	7753						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSEK	11:30:00 AM	7754						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSEK	1:30:00 PM	7755						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSEK	3:30:00 PM	7756						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD	9:30:00 AM	7757						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD	11:30:00 AM	7758						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD	1:30:00 PM	7759						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD	3:30:00 PM	7760						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD.fx	9:30:00 AM	7761						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD.fx	11:30:00 AM	7762						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFSGD.fx	1:30:00 PM	7763						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	CHFSGD.fx	3:30:00 PM	7764						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFZAR	9:30:00 AM	7765						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFZAR	11:30:00 AM	7766						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFZAR	1:30:00 PM	7767						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CHFZAR	3:30:00 PM	7768						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CZKJPY	9:30:00 AM	7769						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CZKJPY	11:30:00 AM	7770						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CZKJPY	1:30:00 PM	7771						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	CZKJPY	3:30:00 PM	7772						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DAX30.i	9:30:00 AM	7773						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DAX30.i	11:30:00 AM	7774						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DAX30.i	1:30:00 PM	7775						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DAX30.i	3:30:00 PM	7776						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DJ30.i	9:30:00 AM	7777						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DJ30.i	11:30:00 AM	7778						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DJ30.i	1:30:00 PM	7779						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DJ30.i	3:30:00 PM	7780						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DKKJPY	9:30:00 AM	7781						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DKKJPY	11:30:00 AM	7782						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DKKJPY	1:30:00 PM	7783						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	DKKJPY	3:30:00 PM	7784						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD	9:30:00 AM	7785						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD	11:30:00 AM	7786						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD	1:30:00 PM	7787						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD	3:30:00 PM	7788						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD.fx	9:30:00 AM	7789						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD.fx	11:30:00 AM	7790						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD.fx	1:30:00 PM	7791						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURAUD.fx	3:30:00 PM	7792						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD	9:30:00 AM	7793						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD	11:30:00 AM	7794						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD	1:30:00 PM	7795						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD	3:30:00 PM	7796						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD.fx	9:30:00 AM	7797						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	EURCAD.fx	11:30:00 AM	7798						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD.fx	1:30:00 PM	7799						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCAD.fx	3:30:00 PM	7800						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF	9:30:00 AM	7801						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF	11:30:00 AM	7802						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF	1:30:00 PM	7803						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF	3:30:00 PM	7804						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF.fx	9:30:00 AM	7805						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF.fx	11:30:00 AM	7806						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF.fx	1:30:00 PM	7807						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCHF.fx	3:30:00 PM	7808						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCZK	9:30:00 AM	7809						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCZK	11:30:00 AM	7810						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCZK	1:30:00 PM	7811						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURCZK	3:30:00 PM	7812						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURDKK	9:30:00 AM	7813						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURDKK	11:30:00 AM	7814						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURDKK	1:30:00 PM	7815						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURDKK	3:30:00 PM	7816						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP	9:30:00 AM	7817						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP	11:30:00 AM	7818						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP	1:30:00 PM	7819						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP	3:30:00 PM	7820						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP.fx	9:30:00 AM	7821						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP.fx	11:30:00 AM	7822						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP.fx	1:30:00 PM	7823						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURGBP.fx	3:30:00 PM	7824						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD	9:30:00 AM	7825						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD	11:30:00 AM	7826						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD	1:30:00 PM	7827						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD	3:30:00 PM	7828						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD.fx	9:30:00 AM	7829						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD.fx	11:30:00 AM	7830						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHKD.fx	1:30:00 PM	7831						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	EURHKD.fx	3:30:00 PM	7832						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF	9:30:00 AM	7833						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF	11:30:00 AM	7834						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF	1:30:00 PM	7835						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF	3:30:00 PM	7836						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF.fx	9:30:00 AM	7837						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF.fx	11:30:00 AM	7838						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF.fx	1:30:00 PM	7839						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURHUF.fx	3:30:00 PM	7840						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY	9:30:00 AM	7841						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY	11:30:00 AM	7842						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY	1:30:00 PM	7843						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY	3:30:00 PM	7844						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY.fx	9:30:00 AM	7845						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY.fx	11:30:00 AM	7846						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY.fx	1:30:00 PM	7847						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURJPY.fx	3:30:00 PM	7848						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN	9:30:00 AM	7849						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN	11:30:00 AM	7850						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN	1:30:00 PM	7851						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN	3:30:00 PM	7852						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN.fx	9:30:00 AM	7853						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN.fx	11:30:00 AM	7854						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN.fx	1:30:00 PM	7855						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURMXN.fx	3:30:00 PM	7856						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK	9:30:00 AM	7857						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK	11:30:00 AM	7858						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK	1:30:00 PM	7859						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK	3:30:00 PM	7860						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK.fx	9:30:00 AM	7861						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK.fx	11:30:00 AM	7862						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK.fx	1:30:00 PM	7863						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNOK.fx	3:30:00 PM	7864						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD	9:30:00 AM	7865						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	EURNZD	11:30:00 AM	7866						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD	1:30:00 PM	7867						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD	3:30:00 PM	7868						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD.fx	9:30:00 AM	7869						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD.fx	11:30:00 AM	7870						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD.fx	1:30:00 PM	7871						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURNZD.fx	3:30:00 PM	7872						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN	9:30:00 AM	7873						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN	11:30:00 AM	7874						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN	1:30:00 PM	7875						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN	3:30:00 PM	7876						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN.fx	9:30:00 AM	7877						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN.fx	11:30:00 AM	7878						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN.fx	1:30:00 PM	7879						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURPLN.fx	3:30:00 PM	7880						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURRUB	9:30:00 AM	7881						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURRUB	11:30:00 AM	7882						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURRUB	1:30:00 PM	7883						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURRUB	3:30:00 PM	7884						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK	9:30:00 AM	7885						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK	11:30:00 AM	7886						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK	1:30:00 PM	7887						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK	3:30:00 PM	7888						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK.fx	9:30:00 AM	7889						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK.fx	11:30:00 AM	7890						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK.fx	1:30:00 PM	7891						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSEK.fx	3:30:00 PM	7892						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD	9:30:00 AM	7893						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD	11:30:00 AM	7894						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD	1:30:00 PM	7895						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD	3:30:00 PM	7896						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD.fx	9:30:00 AM	7897						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD.fx	11:30:00 AM	7898						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURSGD.fx	1:30:00 PM	7899						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	EURSGD.fx	3:30:00 PM	7900						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD	9:30:00 AM	7901						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD	11:30:00 AM	7902						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD	1:30:00 PM	7903						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD	3:30:00 PM	7904						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD.fx	9:30:00 AM	7905						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD.fx	11:30:00 AM	7906						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD.fx	1:30:00 PM	7907						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURUSD.fx	3:30:00 PM	7908						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR	9:30:00 AM	7909						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR	11:30:00 AM	7910						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR	1:30:00 PM	7911						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR	3:30:00 PM	7912						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR.fx	9:30:00 AM	7913						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR.fx	11:30:00 AM	7914						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR.fx	1:30:00 PM	7915						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	EURZAR.fx	3:30:00 PM	7916						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD	9:30:00 AM	7917						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD	11:30:00 AM	7918						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD	1:30:00 PM	7919						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD	3:30:00 PM	7920						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD.fx	9:30:00 AM	7921						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD.fx	11:30:00 AM	7922						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD.fx	1:30:00 PM	7923						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPAUD.fx	3:30:00 PM	7924						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD	9:30:00 AM	7925						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD	11:30:00 AM	7926						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD	1:30:00 PM	7927						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD	3:30:00 PM	7928						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD.fx	9:30:00 AM	7929						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD.fx	11:30:00 AM	7930						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD.fx	1:30:00 PM	7931						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCAD.fx	3:30:00 PM	7932						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHEF	9:30:00 AM	7933						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	GBPCHF	11:30:00 AM	7934						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF	1:30:00 PM	7935						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF	3:30:00 PM	7936						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF.fx	9:30:00 AM	7937						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF.fx	11:30:00 AM	7938						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF.fx	1:30:00 PM	7939						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCHF.fx	3:30:00 PM	7940						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCZK	9:30:00 AM	7941						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCZK	11:30:00 AM	7942						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCZK	1:30:00 PM	7943						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPCZK	3:30:00 PM	7944						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK	9:30:00 AM	7945						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK	11:30:00 AM	7946						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK	1:30:00 PM	7947						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK	3:30:00 PM	7948						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK.fx	9:30:00 AM	7949						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK.fx	11:30:00 AM	7950						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK.fx	1:30:00 PM	7951						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPDKK.fx	3:30:00 PM	7952						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHKD	9:30:00 AM	7953						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHKD	11:30:00 AM	7954						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHKD	1:30:00 PM	7955						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHKD	3:30:00 PM	7956						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHUF	9:30:00 AM	7957						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHUF	11:30:00 AM	7958						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHUF	1:30:00 PM	7959						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPHUF	3:30:00 PM	7960						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY	9:30:00 AM	7961						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY	11:30:00 AM	7962						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY	1:30:00 PM	7963						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY	3:30:00 PM	7964						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY.fx	9:30:00 AM	7965						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY.fx	11:30:00 AM	7966						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPJPY.fx	1:30:00 PM	7967						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	GBPJPY.fx	3:30:00 PM	7968						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPMXN	9:30:00 AM	7969						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPMXN	11:30:00 AM	7970						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPMXN	1:30:00 PM	7971						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPMXN	3:30:00 PM	7972						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK	9:30:00 AM	7973						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK	11:30:00 AM	7974						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK	1:30:00 PM	7975						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK	3:30:00 PM	7976						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK.fx	9:30:00 AM	7977						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK.fx	11:30:00 AM	7978						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK.fx	1:30:00 PM	7979						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNOK.fx	3:30:00 PM	7980						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD	9:30:00 AM	7981						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD	11:30:00 AM	7982						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD	1:30:00 PM	7983						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD	3:30:00 PM	7984						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD.fx	9:30:00 AM	7985						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD.fx	11:30:00 AM	7986						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD.fx	1:30:00 PM	7987						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPNZD.fx	3:30:00 PM	7988						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN	9:30:00 AM	7989						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN	11:30:00 AM	7990						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN	1:30:00 PM	7991						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN	3:30:00 PM	7992						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN.fx	9:30:00 AM	7993						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN.fx	11:30:00 AM	7994						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN.fx	1:30:00 PM	7995						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPPLN.fx	3:30:00 PM	7996						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK	9:30:00 AM	7997						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK	11:30:00 AM	7998						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK	1:30:00 PM	7999						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK	3:30:00 PM	8000						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK.fx	9:30:00 AM	8001						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	GBPSEK.fx	11:30:00 AM	8002						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK.fx	1:30:00 PM	8003						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSEK.fx	3:30:00 PM	8004						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD	9:30:00 AM	8005						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD	11:30:00 AM	8006						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD	1:30:00 PM	8007						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD	3:30:00 PM	8008						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD.fx	9:30:00 AM	8009						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD.fx	11:30:00 AM	8010						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD.fx	1:30:00 PM	8011						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPSGD.fx	3:30:00 PM	8012						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD	9:30:00 AM	8013						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD	11:30:00 AM	8014						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD	1:30:00 PM	8015						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD	3:30:00 PM	8016						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD.fx	9:30:00 AM	8017						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD.fx	11:30:00 AM	8018						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD.fx	1:30:00 PM	8019						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPUSD.fx	3:30:00 PM	8020						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR	9:30:00 AM	8021						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR	11:30:00 AM	8022						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR	1:30:00 PM	8023						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR	3:30:00 PM	8024						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR.fx	9:30:00 AM	8025						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR.fx	11:30:00 AM	8026						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR.fx	1:30:00 PM	8027						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GBPZAR.fx	3:30:00 PM	8028						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GOLD	9:30:00 AM	8029						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GOLD	11:30:00 AM	8030						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GOLD	1:30:00 PM	8031						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	GOLD	3:30:00 PM	8032						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY	9:30:00 AM	8033						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY	11:30:00 AM	8034						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY	1:30:00 PM	8035						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	HKDJPY	3:30:00 PM	8036						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY.fx	9:30:00 AM	8037						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY.fx	11:30:00 AM	8038						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY.fx	1:30:00 PM	8039						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HKDJPY.fx	3:30:00 PM	8040						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HUFJPY	9:30:00 AM	8041						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HUFJPY	11:30:00 AM	8042						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HUFJPY	1:30:00 PM	8043						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	HUFJPY	3:30:00 PM	8044						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JP225.i	9:30:00 AM	8045						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JP225.i	11:30:00 AM	8046						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JP225.i	1:30:00 PM	8047						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JP225.i	3:30:00 PM	8048						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	MXNJPY	9:30:00 AM	8049						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	MXNJPY	11:30:00 AM	8050						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	MXNJPY	1:30:00 PM	8051						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	MXNJPY	3:30:00 PM	8052						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NASDAQ.i	9:30:00 AM	8053						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NASDAQ.i	11:30:00 AM	8054						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NASDAQ.i	1:30:00 PM	8055						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NASDAQ.i	3:30:00 PM	8056						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY	9:30:00 AM	8057						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY	11:30:00 AM	8058						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY	1:30:00 PM	8059						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY	3:30:00 PM	8060						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY.fx	9:30:00 AM	8061						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY.fx	11:30:00 AM	8062						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY.fx	1:30:00 PM	8063						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NOKJPY.fx	3:30:00 PM	8064						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD	9:30:00 AM	8065						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD	11:30:00 AM	8066						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD	1:30:00 PM	8067						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD	3:30:00 PM	8068						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD.fx	9:30:00 AM	8069						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	NZDCAD.fx	11:30:00 AM	8070						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD.fx	1:30:00 PM	8071						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCAD.fx	3:30:00 PM	8072						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF	9:30:00 AM	8073						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF	11:30:00 AM	8074						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF	1:30:00 PM	8075						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF	3:30:00 PM	8076						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF.fx	9:30:00 AM	8077						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF.fx	11:30:00 AM	8078						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF.fx	1:30:00 PM	8079						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCHF.fx	3:30:00 PM	8080						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCZK	9:30:00 AM	8081						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCZK	11:30:00 AM	8082						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCZK	1:30:00 PM	8083						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDCZK	3:30:00 PM	8084						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDDKK	9:30:00 AM	8085						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDDKK	11:30:00 AM	8086						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDDKK	1:30:00 PM	8087						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDDKK	3:30:00 PM	8088						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHKD	9:30:00 AM	8089						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHKD	11:30:00 AM	8090						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHKD	1:30:00 PM	8091						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHKD	3:30:00 PM	8092						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHUF	9:30:00 AM	8093						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHUF	11:30:00 AM	8094						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHUF	1:30:00 PM	8095						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDHUF	3:30:00 PM	8096						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY	9:30:00 AM	8097						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY	11:30:00 AM	8098						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY	1:30:00 PM	8099						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY	3:30:00 PM	8100						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY.fx	9:30:00 AM	8101						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY.fx	11:30:00 AM	8102						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDJPY.fx	1:30:00 PM	8103						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	NZDJPY.fx	3:30:00 PM	8104						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDMXN	9:30:00 AM	8105						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDMXN	11:30:00 AM	8106						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDMXN	1:30:00 PM	8107						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDMXN	3:30:00 PM	8108						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDNOK	9:30:00 AM	8109						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDNOK	11:30:00 AM	8110						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDNOK	1:30:00 PM	8111						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDNOK	3:30:00 PM	8112						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDPLN	9:30:00 AM	8113						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDPLN	11:30:00 AM	8114						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDPLN	1:30:00 PM	8115						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDPLN	3:30:00 PM	8116						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSEK	9:30:00 AM	8117						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSEK	11:30:00 AM	8118						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSEK	1:30:00 PM	8119						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSEK	3:30:00 PM	8120						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD	9:30:00 AM	8121						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD	11:30:00 AM	8122						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD	1:30:00 PM	8123						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD	3:30:00 PM	8124						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD.fx	9:30:00 AM	8125						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD.fx	11:30:00 AM	8126						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD.fx	1:30:00 PM	8127						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDSGD.fx	3:30:00 PM	8128						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD	9:30:00 AM	8129						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD	11:30:00 AM	8130						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD	1:30:00 PM	8131						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD	3:30:00 PM	8132						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD.fx	9:30:00 AM	8133						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD.fx	11:30:00 AM	8134						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD.fx	1:30:00 PM	8135						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDUSD.fx	3:30:00 PM	8136						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDZAR	9:30:00 AM	8137						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	NZDZAR	11:30:00 AM	8138						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDZAR	1:30:00 PM	8139						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	NZDZAR	3:30:00 PM	8140						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY	9:30:00 AM	8141						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY	11:30:00 AM	8142						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY	1:30:00 PM	8143						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY	3:30:00 PM	8144						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY.fx	9:30:00 AM	8145						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY.fx	11:30:00 AM	8146						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY.fx	1:30:00 PM	8147						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SEKJPY.fx	3:30:00 PM	8148						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SGDJPY	9:30:00 AM	8149						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SGDJPY	11:30:00 AM	8150						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SGDJPY	1:30:00 PM	8151						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SGDJPY	3:30:00 PM	8152						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SILVER	9:30:00 AM	8153						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SILVER	11:30:00 AM	8154						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SILVER	1:30:00 PM	8155						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SILVER	3:30:00 PM	8156						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SPX500.i	9:30:00 AM	8157						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SPX500.i	11:30:00 AM	8158						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SPX500.i	1:30:00 PM	8159						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	SPX500.i	3:30:00 PM	8160						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	UK100.i	9:30:00 AM	8161						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	UK100.i	11:30:00 AM	8162						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	UK100.i	1:30:00 PM	8163						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	UK100.i	3:30:00 PM	8164						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD	9:30:00 AM	8165						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD	11:30:00 AM	8166						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD	1:30:00 PM	8167						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD	3:30:00 PM	8168						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD.fx	9:30:00 AM	8169						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD.fx	11:30:00 AM	8170						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCAD.fx	1:30:00 PM	8171						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	USDCAD.fx	3:30:00 PM	8172						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF	9:30:00 AM	8173						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF	11:30:00 AM	8174						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF	1:30:00 PM	8175						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF	3:30:00 PM	8176						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF.fx	9:30:00 AM	8177						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF.fx	11:30:00 AM	8178						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF.fx	1:30:00 PM	8179						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCHF.fx	3:30:00 PM	8180						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK	9:30:00 AM	8181						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK	11:30:00 AM	8182						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK	1:30:00 PM	8183						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK	3:30:00 PM	8184						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK.fx	9:30:00 AM	8185						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK.fx	11:30:00 AM	8186						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK.fx	1:30:00 PM	8187						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDCZK.fx	3:30:00 PM	8188						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK	9:30:00 AM	8189						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK	11:30:00 AM	8190						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK	1:30:00 PM	8191						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK	3:30:00 PM	8192						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK.fx	9:30:00 AM	8193						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK.fx	11:30:00 AM	8194						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK.fx	1:30:00 PM	8195						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDDKK.fx	3:30:00 PM	8196						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD	9:30:00 AM	8197						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD	11:30:00 AM	8198						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD	1:30:00 PM	8199						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD	3:30:00 PM	8200						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD.fx	9:30:00 AM	8201						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD.fx	11:30:00 AM	8202						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD.fx	1:30:00 PM	8203						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHKD.fx	3:30:00 PM	8204						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF	9:30:00 AM	8205						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	USDHUF	11:30:00 AM	8206						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF	1:30:00 PM	8207						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF	3:30:00 PM	8208						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF.fx	9:30:00 AM	8209						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF.fx	11:30:00 AM	8210						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF.fx	1:30:00 PM	8211						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDHUF.fx	3:30:00 PM	8212						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDINR	9:30:00 AM	8213						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDINR	11:30:00 AM	8214						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDINR	1:30:00 PM	8215						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDINR	3:30:00 PM	8216						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY	9:30:00 AM	8217						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY	11:30:00 AM	8218						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY	1:30:00 PM	8219						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY	3:30:00 PM	8220						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY.fx	9:30:00 AM	8221						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY.fx	11:30:00 AM	8222						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY.fx	1:30:00 PM	8223						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDJPY.fx	3:30:00 PM	8224						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDMXN	9:30:00 AM	8225						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDMXN	11:30:00 AM	8226						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDMXN	1:30:00 PM	8227						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDMXN	3:30:00 PM	8228						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JSDMXN.fx	9:30:00 AM	8229						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JSDMXN.fx	11:30:00 AM	8230						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JSDMXN.fx	1:30:00 PM	8231						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	JSDMXN.fx	3:30:00 PM	8232						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK	9:30:00 AM	8233						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK	11:30:00 AM	8234						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK	1:30:00 PM	8235						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK	3:30:00 PM	8236						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK.fx	9:30:00 AM	8237						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK.fx	11:30:00 AM	8238						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDNOK.fx	1:30:00 PM	8239						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	USDNOK.fx	3:30:00 PM	8240						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN	9:30:00 AM	8241						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN	11:30:00 AM	8242						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN	1:30:00 PM	8243						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN	3:30:00 PM	8244						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN.fx	9:30:00 AM	8245						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN.fx	11:30:00 AM	8246						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN.fx	1:30:00 PM	8247						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDPLN.fx	3:30:00 PM	8248						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDRUB	9:30:00 AM	8249						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDRUB	11:30:00 AM	8250						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDRUB	1:30:00 PM	8251						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDRUB	3:30:00 PM	8252						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK	9:30:00 AM	8253						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK	11:30:00 AM	8254						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK	1:30:00 PM	8255						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK	3:30:00 PM	8256						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK.fx	9:30:00 AM	8257						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK.fx	11:30:00 AM	8258						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK.fx	1:30:00 PM	8259						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSEK.fx	3:30:00 PM	8260						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD	9:30:00 AM	8261						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD	11:30:00 AM	8262						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD	1:30:00 PM	8263						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD	3:30:00 PM	8264						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD.fx	9:30:00 AM	8265						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD.fx	11:30:00 AM	8266						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD.fx	1:30:00 PM	8267						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDSGD.fx	3:30:00 PM	8268						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR	9:30:00 AM	8269						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR	11:30:00 AM	8270						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR	1:30:00 PM	8271						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR	3:30:00 PM	8272						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR.fx	9:30:00 AM	8273						Continuous Quote	N/A	ELECTRONIC	N/A

10/7/2019	USDZAR.fx	11:30:00 AM	8274						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR.fx	1:30:00 PM	8275						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	USDZAR.fx	3:30:00 PM	8276						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	XAUUSD	9:30:00 AM	8277						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	XAUUSD	11:30:00 AM	8278						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	XAUUSD	1:30:00 PM	8279						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	XAUUSD	3:30:00 PM	8280						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY	9:30:00 AM	8281						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY	11:30:00 AM	8282						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY	1:30:00 PM	8283						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY	3:30:00 PM	8284						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY.fx	9:30:00 AM	8285						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY.fx	11:30:00 AM	8286						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY.fx	1:30:00 PM	8287						Continuous Quote	N/A	ELECTRONIC	N/A
10/7/2019	ZARJPY.fx	3:30:00 PM	8288						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AA	9:30:00 AM	8289						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AA	11:30:00 AM	8290						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AA	1:30:00 PM	8291						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AA	3:30:00 PM	8292						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AABA	9:30:00 AM	8293						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AABA	11:30:00 AM	8294						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AABA	1:30:00 PM	8295						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AABA	3:30:00 PM	8296						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAL	9:30:00 AM	8297						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAL	11:30:00 AM	8298						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAL	1:30:00 PM	8299						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAL	3:30:00 PM	8300						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAPL	9:30:00 AM	8301						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAPL	11:30:00 AM	8302						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAPL	1:30:00 PM	8303						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AAPL	3:30:00 PM	8304						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#ADBE	9:30:00 AM	8305						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#ADBE	11:30:00 AM	8306						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#ADBE	1:30:00 PM	8307						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	#ADBE	3:30:00 PM	8308						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AIG	9:30:00 AM	8309						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AIG	11:30:00 AM	8310						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AIG	1:30:00 PM	8311						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AIG	3:30:00 PM	8312						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMD	9:30:00 AM	8313						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMD	11:30:00 AM	8314						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMD	1:30:00 PM	8315						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMD	3:30:00 PM	8316						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMZN	9:30:00 AM	8317						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMZN	11:30:00 AM	8318						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMZN	1:30:00 PM	8319						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AMZN	3:30:00 PM	8320						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AXP	9:30:00 AM	8321						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AXP	11:30:00 AM	8322						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AXP	1:30:00 PM	8323						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#AXP	3:30:00 PM	8324						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BA	9:30:00 AM	8325						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BA	11:30:00 AM	8326						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BA	1:30:00 PM	8327						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BA	3:30:00 PM	8328						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BABA	9:30:00 AM	8329						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BABA	11:30:00 AM	8330						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BABA	1:30:00 PM	8331						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BABA	3:30:00 PM	8332						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BAC	9:30:00 AM	8333						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BAC	11:30:00 AM	8334						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BAC	1:30:00 PM	8335						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BAC	3:30:00 PM	8336						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BARC	9:30:00 AM	8337						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BARC	11:30:00 AM	8338						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BARC	1:30:00 PM	8339						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BARC	3:30:00 PM	8340						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BHP	9:30:00 AM	8341						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	#BHP	11:30:00 AM	8342						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BHP	1:30:00 PM	8343						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BHP	3:30:00 PM	8344						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BIDU	9:30:00 AM	8345						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BIDU	11:30:00 AM	8346						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BIDU	1:30:00 PM	8347						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	#BIDU	3:30:00 PM	8348						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	AUDCZK	3:30:00 PM	8752						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDDKK	9:30:00 AM	8753						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDDKK	11:30:00 AM	8754						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDDKK	1:30:00 PM	8755						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDDKK	3:30:00 PM	8756						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHKD	9:30:00 AM	8757						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHKD	11:30:00 AM	8758						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHKD	1:30:00 PM	8759						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHKD	3:30:00 PM	8760						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHUF	9:30:00 AM	8761						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHUF	11:30:00 AM	8762						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHUF	1:30:00 PM	8763						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDHUF	3:30:00 PM	8764						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY	9:30:00 AM	8765						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY	11:30:00 AM	8766						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY	1:30:00 PM	8767						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY	3:30:00 PM	8768						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY.fx	9:30:00 AM	8769						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY.fx	11:30:00 AM	8770						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY.fx	1:30:00 PM	8771						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDJPY.fx	3:30:00 PM	8772						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDMXN	9:30:00 AM	8773						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDMXN	11:30:00 AM	8774						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDMXN	1:30:00 PM	8775						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDMXN	3:30:00 PM	8776						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK	9:30:00 AM	8777						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK	11:30:00 AM	8778						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK	1:30:00 PM	8779						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK	3:30:00 PM	8780						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK.fx	9:30:00 AM	8781						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK.fx	11:30:00 AM	8782						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNOK.fx	1:30:00 PM	8783						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	AUDNOK.fx	3:30:00 PM	8784						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD	9:30:00 AM	8785						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD	11:30:00 AM	8786						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD	1:30:00 PM	8787						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD	3:30:00 PM	8788						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD.fx	9:30:00 AM	8789						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD.fx	11:30:00 AM	8790						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD.fx	1:30:00 PM	8791						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDNZD.fx	3:30:00 PM	8792						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDPLN	9:30:00 AM	8793						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDPLN	11:30:00 AM	8794						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDPLN	1:30:00 PM	8795						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDPLN	3:30:00 PM	8796						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK	9:30:00 AM	8797						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK	11:30:00 AM	8798						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK	1:30:00 PM	8799						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK	3:30:00 PM	8800						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK.fx	9:30:00 AM	8801						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK.fx	11:30:00 AM	8802						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK.fx	1:30:00 PM	8803						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSEK.fx	3:30:00 PM	8804						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD	9:30:00 AM	8805						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD	11:30:00 AM	8806						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD	1:30:00 PM	8807						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD	3:30:00 PM	8808						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD.fx	9:30:00 AM	8809						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD.fx	11:30:00 AM	8810						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD.fx	1:30:00 PM	8811						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDSGD.fx	3:30:00 PM	8812						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD	9:30:00 AM	8813						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD	11:30:00 AM	8814						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD	1:30:00 PM	8815						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD	3:30:00 PM	8816						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD.fx	9:30:00 AM	8817						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	AUDUSD.fx	11:30:00 AM	8818						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD.fx	1:30:00 PM	8819						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDUSD.fx	3:30:00 PM	8820						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDZAR	9:30:00 AM	8821						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDZAR	11:30:00 AM	8822						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDZAR	1:30:00 PM	8823						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUDZAR	3:30:00 PM	8824						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUS200.i	9:30:00 AM	8825						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUS200.i	11:30:00 AM	8826						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUS200.i	1:30:00 PM	8827						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	AUS200.i	3:30:00 PM	8828						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	BCHUSD	9:30:00 AM	8829						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	BCHUSD	11:30:00 AM	8830						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	BCHUSD	1:30:00 PM	8831						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	BCHUSD	3:30:00 PM	8832						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF	9:30:00 AM	8833						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF	11:30:00 AM	8834						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF	1:30:00 PM	8835						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF	3:30:00 PM	8836						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF.fx	9:30:00 AM	8837						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF.fx	11:30:00 AM	8838						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF.fx	1:30:00 PM	8839						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCHF.fx	3:30:00 PM	8840						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCZK	9:30:00 AM	8841						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCZK	11:30:00 AM	8842						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCZK	1:30:00 PM	8843						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADCZK	3:30:00 PM	8844						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADDDKK	9:30:00 AM	8845						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADDDKK	11:30:00 AM	8846						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADDDKK	1:30:00 PM	8847						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADDDKK	3:30:00 PM	8848						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHKD	9:30:00 AM	8849						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHKD	11:30:00 AM	8850						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHKD	1:30:00 PM	8851						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	CADHKD	3:30:00 PM	8852						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHUF	9:30:00 AM	8853						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHUF	11:30:00 AM	8854						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHUF	1:30:00 PM	8855						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADHUF	3:30:00 PM	8856						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY	9:30:00 AM	8857						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY	11:30:00 AM	8858						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY	1:30:00 PM	8859						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY	3:30:00 PM	8860						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY.fx	9:30:00 AM	8861						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY.fx	11:30:00 AM	8862						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY.fx	1:30:00 PM	8863						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADJPY.fx	3:30:00 PM	8864						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADMXN	9:30:00 AM	8865						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADMXN	11:30:00 AM	8866						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADMXN	1:30:00 PM	8867						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADMXN	3:30:00 PM	8868						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADNOK	9:30:00 AM	8869						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADNOK	11:30:00 AM	8870						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADNOK	1:30:00 PM	8871						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADNOK	3:30:00 PM	8872						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADPLN	9:30:00 AM	8873						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADPLN	11:30:00 AM	8874						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADPLN	1:30:00 PM	8875						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADPLN	3:30:00 PM	8876						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSEK	9:30:00 AM	8877						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSEK	11:30:00 AM	8878						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSEK	1:30:00 PM	8879						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSEK	3:30:00 PM	8880						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSGD	9:30:00 AM	8881						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSGD	11:30:00 AM	8882						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSGD	1:30:00 PM	8883						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADSGD	3:30:00 PM	8884						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADZAR	9:30:00 AM	8885						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	CADZAR	11:30:00 AM	8886						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADZAR	1:30:00 PM	8887						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CADZAR	3:30:00 PM	8888						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFCZK	9:30:00 AM	8889						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFCZK	11:30:00 AM	8890						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFCZK	1:30:00 PM	8891						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFCZK	3:30:00 PM	8892						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK	9:30:00 AM	8893						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK	11:30:00 AM	8894						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	CHFDKK	3:30:00 PM	8896						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK.fx	9:30:00 AM	8897						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK.fx	11:30:00 AM	8898						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK.fx	1:30:00 PM	8899						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFDKK.fx	3:30:00 PM	8900						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHKD	9:30:00 AM	8901						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHKD	11:30:00 AM	8902						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHKD	1:30:00 PM	8903						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHKD	3:30:00 PM	8904						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHUF	9:30:00 AM	8905						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHUF	11:30:00 AM	8906						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHUF	1:30:00 PM	8907						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFHUF	3:30:00 PM	8908						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY	9:30:00 AM	8909						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY	11:30:00 AM	8910						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY	1:30:00 PM	8911						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY	3:30:00 PM	8912						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY.fx	9:30:00 AM	8913						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY.fx	11:30:00 AM	8914						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY.fx	1:30:00 PM	8915						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFJPY.fx	3:30:00 PM	8916						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFMXN	9:30:00 AM	8917						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFMXN	11:30:00 AM	8918						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFMXN	1:30:00 PM	8919						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	CHFMXN	3:30:00 PM	8920						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK	9:30:00 AM	8921						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK	11:30:00 AM	8922						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK	1:30:00 PM	8923						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK	3:30:00 PM	8924						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK.fx	9:30:00 AM	8925						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFNOK.fx	11:30:00 AM	8926						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	CHFNOK.fx	3:30:00 PM	8928						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	CHFPLN	11:30:00 AM	8930						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	CHFPLN	3:30:00 PM	8932						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFPLN.fx	9:30:00 AM	8933						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFPLN.fx	11:30:00 AM	8934						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFPLN.fx	1:30:00 PM	8935						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFPLN.fx	3:30:00 PM	8936						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSEK	9:30:00 AM	8937						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSEK	11:30:00 AM	8938						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSEK	1:30:00 PM	8939						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSEK	3:30:00 PM	8940						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD	9:30:00 AM	8941						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD	11:30:00 AM	8942						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD	1:30:00 PM	8943						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD	3:30:00 PM	8944						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD.fx	9:30:00 AM	8945						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD.fx	11:30:00 AM	8946						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD.fx	1:30:00 PM	8947						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFSGD.fx	3:30:00 PM	8948						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFZAR	9:30:00 AM	8949						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFZAR	11:30:00 AM	8950						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFZAR	1:30:00 PM	8951						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CHFZAR	3:30:00 PM	8952						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CZKJPY	9:30:00 AM	8953						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	CZKJPY	11:30:00 AM	8954						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CZKJPY	1:30:00 PM	8955						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	CZKJPY	3:30:00 PM	8956						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DAX30.i	9:30:00 AM	8957						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DAX30.i	11:30:00 AM	8958						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DAX30.i	1:30:00 PM	8959						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DAX30.i	3:30:00 PM	8960						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DJ30.i	9:30:00 AM	8961						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DJ30.i	11:30:00 AM	8962						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DJ30.i	1:30:00 PM	8963						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DJ30.i	3:30:00 PM	8964						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DKKJPY	9:30:00 AM	8965						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DKKJPY	11:30:00 AM	8966						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DKKJPY	1:30:00 PM	8967						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	DKKJPY	3:30:00 PM	8968						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD	9:30:00 AM	8969						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD	11:30:00 AM	8970						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD	1:30:00 PM	8971						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD	3:30:00 PM	8972						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD.fx	9:30:00 AM	8973						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD.fx	11:30:00 AM	8974						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD.fx	1:30:00 PM	8975						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURAUD.fx	3:30:00 PM	8976						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD	9:30:00 AM	8977						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD	11:30:00 AM	8978						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD	1:30:00 PM	8979						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD	3:30:00 PM	8980						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD.fx	9:30:00 AM	8981						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD.fx	11:30:00 AM	8982						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD.fx	1:30:00 PM	8983						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCAD.fx	3:30:00 PM	8984						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF	9:30:00 AM	8985						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF	11:30:00 AM	8986						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF	1:30:00 PM	8987						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	EURCHF	3:30:00 PM	8988						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF.fx	9:30:00 AM	8989						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF.fx	11:30:00 AM	8990						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF.fx	1:30:00 PM	8991						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCHF.fx	3:30:00 PM	8992						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCZK	9:30:00 AM	8993						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCZK	11:30:00 AM	8994						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCZK	1:30:00 PM	8995						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURCZK	3:30:00 PM	8996						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURDKK	9:30:00 AM	8997						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURDKK	11:30:00 AM	8998						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURDKK	1:30:00 PM	8999						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURDKK	3:30:00 PM	9000						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP	9:30:00 AM	9001						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP	11:30:00 AM	9002						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP	1:30:00 PM	9003						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP	3:30:00 PM	9004						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP.fx	9:30:00 AM	9005						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP.fx	11:30:00 AM	9006						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP.fx	1:30:00 PM	9007						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURGBP.fx	3:30:00 PM	9008						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD	9:30:00 AM	9009						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD	11:30:00 AM	9010						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD	1:30:00 PM	9011						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD	3:30:00 PM	9012						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD.fx	9:30:00 AM	9013						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD.fx	11:30:00 AM	9014						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD.fx	1:30:00 PM	9015						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHKD.fx	3:30:00 PM	9016						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF	9:30:00 AM	9017						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF	11:30:00 AM	9018						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF	1:30:00 PM	9019						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF	3:30:00 PM	9020						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF.fx	9:30:00 AM	9021						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	EURHUF.fx	11:30:00 AM	9022						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF.fx	1:30:00 PM	9023						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURHUF.fx	3:30:00 PM	9024						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY	9:30:00 AM	9025						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY	11:30:00 AM	9026						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY	1:30:00 PM	9027						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY	3:30:00 PM	9028						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY.fx	9:30:00 AM	9029						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY.fx	11:30:00 AM	9030						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY.fx	1:30:00 PM	9031						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURJPY.fx	3:30:00 PM	9032						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN	9:30:00 AM	9033						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN	11:30:00 AM	9034						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN	1:30:00 PM	9035						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN	3:30:00 PM	9036						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN.fx	9:30:00 AM	9037						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN.fx	11:30:00 AM	9038						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN.fx	1:30:00 PM	9039						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURMXN.fx	3:30:00 PM	9040						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK	9:30:00 AM	9041						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK	11:30:00 AM	9042						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK	1:30:00 PM	9043						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK	3:30:00 PM	9044						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK.fx	9:30:00 AM	9045						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK.fx	11:30:00 AM	9046						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK.fx	1:30:00 PM	9047						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNOK.fx	3:30:00 PM	9048						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD	9:30:00 AM	9049						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD	11:30:00 AM	9050						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD	1:30:00 PM	9051						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD	3:30:00 PM	9052						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD.fx	9:30:00 AM	9053						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD.fx	11:30:00 AM	9054						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURNZD.fx	1:30:00 PM	9055						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	EURNZD.fx	3:30:00 PM	9056						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN	9:30:00 AM	9057						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN	11:30:00 AM	9058						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN	1:30:00 PM	9059						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN	3:30:00 PM	9060						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN.fx	9:30:00 AM	9061						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN.fx	11:30:00 AM	9062						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN.fx	1:30:00 PM	9063						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURPLN.fx	3:30:00 PM	9064						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURRUB	9:30:00 AM	9065						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURRUB	11:30:00 AM	9066						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURRUB	1:30:00 PM	9067						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURRUB	3:30:00 PM	9068						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK	9:30:00 AM	9069						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK	11:30:00 AM	9070						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK	1:30:00 PM	9071						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK	3:30:00 PM	9072						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK.fx	9:30:00 AM	9073						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK.fx	11:30:00 AM	9074						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK.fx	1:30:00 PM	9075						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSEK.fx	3:30:00 PM	9076						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD	9:30:00 AM	9077						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD	11:30:00 AM	9078						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD	1:30:00 PM	9079						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD	3:30:00 PM	9080						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD.fx	9:30:00 AM	9081						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD.fx	11:30:00 AM	9082						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD.fx	1:30:00 PM	9083						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURSGD.fx	3:30:00 PM	9084						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD	9:30:00 AM	9085						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD	11:30:00 AM	9086						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD	1:30:00 PM	9087						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD	3:30:00 PM	9088						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD.fx	9:30:00 AM	9089						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	EURUSD.fx	11:30:00 AM	9090						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD.fx	1:30:00 PM	9091						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURUSD.fx	3:30:00 PM	9092						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR	9:30:00 AM	9093						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR	11:30:00 AM	9094						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR	1:30:00 PM	9095						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR	3:30:00 PM	9096						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR.fx	9:30:00 AM	9097						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR.fx	11:30:00 AM	9098						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR.fx	1:30:00 PM	9099						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	EURZAR.fx	3:30:00 PM	9100						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD	9:30:00 AM	9101						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD	11:30:00 AM	9102						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD	1:30:00 PM	9103						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD	3:30:00 PM	9104						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD.fx	9:30:00 AM	9105						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD.fx	11:30:00 AM	9106						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD.fx	1:30:00 PM	9107						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPAUD.fx	3:30:00 PM	9108						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD	9:30:00 AM	9109						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD	11:30:00 AM	9110						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD	1:30:00 PM	9111						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD	3:30:00 PM	9112						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD.fx	9:30:00 AM	9113						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD.fx	11:30:00 AM	9114						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD.fx	1:30:00 PM	9115						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCAD.fx	3:30:00 PM	9116						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF	9:30:00 AM	9117						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF	11:30:00 AM	9118						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF	1:30:00 PM	9119						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF	3:30:00 PM	9120						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF.fx	9:30:00 AM	9121						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF.fx	11:30:00 AM	9122						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCHF.fx	1:30:00 PM	9123						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	GBPCHF.fx	3:30:00 PM	9124						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCZK	9:30:00 AM	9125						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCZK	11:30:00 AM	9126						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCZK	1:30:00 PM	9127						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPCZK	3:30:00 PM	9128						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK	9:30:00 AM	9129						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK	11:30:00 AM	9130						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK	1:30:00 PM	9131						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK	3:30:00 PM	9132						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK.fx	9:30:00 AM	9133						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK.fx	11:30:00 AM	9134						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK.fx	1:30:00 PM	9135						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPDKK.fx	3:30:00 PM	9136						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHKD	9:30:00 AM	9137						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHKD	11:30:00 AM	9138						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHKD	1:30:00 PM	9139						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHKD	3:30:00 PM	9140						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHUF	9:30:00 AM	9141						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHUF	11:30:00 AM	9142						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHUF	1:30:00 PM	9143						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPHUF	3:30:00 PM	9144						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY	9:30:00 AM	9145						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY	11:30:00 AM	9146						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY	1:30:00 PM	9147						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY	3:30:00 PM	9148						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY.fx	9:30:00 AM	9149						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY.fx	11:30:00 AM	9150						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY.fx	1:30:00 PM	9151						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPJPY.fx	3:30:00 PM	9152						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPMXN	9:30:00 AM	9153						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPMXN	11:30:00 AM	9154						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPMXN	1:30:00 PM	9155						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPMXN	3:30:00 PM	9156						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK	9:30:00 AM	9157						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	GBPNOK	11:30:00 AM	9158						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK	1:30:00 PM	9159						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK	3:30:00 PM	9160						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK.fx	9:30:00 AM	9161						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK.fx	11:30:00 AM	9162						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK.fx	1:30:00 PM	9163						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNOK.fx	3:30:00 PM	9164						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD	9:30:00 AM	9165						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD	11:30:00 AM	9166						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD	1:30:00 PM	9167						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD	3:30:00 PM	9168						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD.fx	9:30:00 AM	9169						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD.fx	11:30:00 AM	9170						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD.fx	1:30:00 PM	9171						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPNZD.fx	3:30:00 PM	9172						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN	9:30:00 AM	9173						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN	11:30:00 AM	9174						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN	1:30:00 PM	9175						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN	3:30:00 PM	9176						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN.fx	9:30:00 AM	9177						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN.fx	11:30:00 AM	9178						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN.fx	1:30:00 PM	9179						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPPLN.fx	3:30:00 PM	9180						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK	9:30:00 AM	9181						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK	11:30:00 AM	9182						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK	1:30:00 PM	9183						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK	3:30:00 PM	9184						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK.fx	9:30:00 AM	9185						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK.fx	11:30:00 AM	9186						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK.fx	1:30:00 PM	9187						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSEK.fx	3:30:00 PM	9188						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD	9:30:00 AM	9189						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD	11:30:00 AM	9190						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD	1:30:00 PM	9191						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	GBPSGD	3:30:00 PM	9192						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD.fx	9:30:00 AM	9193						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD.fx	11:30:00 AM	9194						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD.fx	1:30:00 PM	9195						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPSGD.fx	3:30:00 PM	9196						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD	9:30:00 AM	9197						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD	11:30:00 AM	9198						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD	1:30:00 PM	9199						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD	3:30:00 PM	9200						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD.fx	9:30:00 AM	9201						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD.fx	11:30:00 AM	9202						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD.fx	1:30:00 PM	9203						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPUSD.fx	3:30:00 PM	9204						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR	9:30:00 AM	9205						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR	11:30:00 AM	9206						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR	1:30:00 PM	9207						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR	3:30:00 PM	9208						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR.fx	9:30:00 AM	9209						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR.fx	11:30:00 AM	9210						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR.fx	1:30:00 PM	9211						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GBPZAR.fx	3:30:00 PM	9212						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GOLD	9:30:00 AM	9213						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GOLD	11:30:00 AM	9214						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GOLD	1:30:00 PM	9215						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	GOLD	3:30:00 PM	9216						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY	9:30:00 AM	9217						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY	11:30:00 AM	9218						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY	1:30:00 PM	9219						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY	3:30:00 PM	9220						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY.fx	9:30:00 AM	9221						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY.fx	11:30:00 AM	9222						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY.fx	1:30:00 PM	9223						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HKDJPY.fx	3:30:00 PM	9224						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HUFJPY	9:30:00 AM	9225						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	HUFJPY	11:30:00 AM	9226						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HUFJPY	1:30:00 PM	9227						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	HUFJPY	3:30:00 PM	9228						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JP225.i	9:30:00 AM	9229						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JP225.i	11:30:00 AM	9230						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JP225.i	1:30:00 PM	9231						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JP225.i	3:30:00 PM	9232						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	MXNJPY	9:30:00 AM	9233						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	MXNJPY	11:30:00 AM	9234						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	MXNJPY	1:30:00 PM	9235						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	MXNJPY	3:30:00 PM	9236						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NASDAQ.i	9:30:00 AM	9237						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NASDAQ.i	11:30:00 AM	9238						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NASDAQ.i	1:30:00 PM	9239						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NASDAQ.i	3:30:00 PM	9240						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY	9:30:00 AM	9241						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY	11:30:00 AM	9242						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY	1:30:00 PM	9243						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY	3:30:00 PM	9244						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY.fx	9:30:00 AM	9245						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY.fx	11:30:00 AM	9246						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY.fx	1:30:00 PM	9247						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NOKJPY.fx	3:30:00 PM	9248						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD	9:30:00 AM	9249						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD	11:30:00 AM	9250						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD	1:30:00 PM	9251						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD	3:30:00 PM	9252						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD.fx	9:30:00 AM	9253						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD.fx	11:30:00 AM	9254						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD.fx	1:30:00 PM	9255						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCAD.fx	3:30:00 PM	9256						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF	9:30:00 AM	9257						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF	11:30:00 AM	9258						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF	1:30:00 PM	9259						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	NZDCHF	3:30:00 PM	9260						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF.fx	9:30:00 AM	9261						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF.fx	11:30:00 AM	9262						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF.fx	1:30:00 PM	9263						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCHF.fx	3:30:00 PM	9264						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCZK	9:30:00 AM	9265						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCZK	11:30:00 AM	9266						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCZK	1:30:00 PM	9267						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDCZK	3:30:00 PM	9268						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDDKK	9:30:00 AM	9269						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDDKK	11:30:00 AM	9270						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDDKK	1:30:00 PM	9271						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDDKK	3:30:00 PM	9272						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHKD	9:30:00 AM	9273						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHKD	11:30:00 AM	9274						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHKD	1:30:00 PM	9275						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHKD	3:30:00 PM	9276						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHUF	9:30:00 AM	9277						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHUF	11:30:00 AM	9278						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHUF	1:30:00 PM	9279						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDHUF	3:30:00 PM	9280						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY	9:30:00 AM	9281						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY	11:30:00 AM	9282						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY	1:30:00 PM	9283						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY	3:30:00 PM	9284						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY.fx	9:30:00 AM	9285						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY.fx	11:30:00 AM	9286						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY.fx	1:30:00 PM	9287						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDJPY.fx	3:30:00 PM	9288						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDMXN	9:30:00 AM	9289						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDMXN	11:30:00 AM	9290						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDMXN	1:30:00 PM	9291						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDMXN	3:30:00 PM	9292						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDNOK	9:30:00 AM	9293						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	NZDNOK	11:30:00 AM	9294						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDNOK	1:30:00 PM	9295						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDNOK	3:30:00 PM	9296						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDPLN	9:30:00 AM	9297						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDPLN	11:30:00 AM	9298						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDPLN	1:30:00 PM	9299						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDPLN	3:30:00 PM	9300						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSEK	9:30:00 AM	9301						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSEK	11:30:00 AM	9302						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSEK	1:30:00 PM	9303						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSEK	3:30:00 PM	9304						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD	9:30:00 AM	9305						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD	11:30:00 AM	9306						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD	1:30:00 PM	9307						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD	3:30:00 PM	9308						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD.fx	9:30:00 AM	9309						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD.fx	11:30:00 AM	9310						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD.fx	1:30:00 PM	9311						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDSGD.fx	3:30:00 PM	9312						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD	9:30:00 AM	9313						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD	11:30:00 AM	9314						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD	1:30:00 PM	9315						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD	3:30:00 PM	9316						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD.fx	9:30:00 AM	9317						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD.fx	11:30:00 AM	9318						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD.fx	1:30:00 PM	9319						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDUSD.fx	3:30:00 PM	9320						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDZAR	9:30:00 AM	9321						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDZAR	11:30:00 AM	9322						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDZAR	1:30:00 PM	9323						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	NZDZAR	3:30:00 PM	9324						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY	9:30:00 AM	9325						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY	11:30:00 AM	9326						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY	1:30:00 PM	9327						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	SEKJPY	3:30:00 PM	9328						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY.fx	9:30:00 AM	9329						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY.fx	11:30:00 AM	9330						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY.fx	1:30:00 PM	9331						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SEKJPY.fx	3:30:00 PM	9332						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SGDJPY	9:30:00 AM	9333						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SGDJPY	11:30:00 AM	9334						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SGDJPY	1:30:00 PM	9335						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SGDJPY	3:30:00 PM	9336						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SILVER	9:30:00 AM	9337						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SILVER	11:30:00 AM	9338						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SILVER	1:30:00 PM	9339						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SILVER	3:30:00 PM	9340						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SPX500.i	9:30:00 AM	9341						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SPX500.i	11:30:00 AM	9342						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SPX500.i	1:30:00 PM	9343						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	SPX500.i	3:30:00 PM	9344						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	UK100.i	9:30:00 AM	9345						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	UK100.i	11:30:00 AM	9346						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	UK100.i	1:30:00 PM	9347						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	UK100.i	3:30:00 PM	9348						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD	9:30:00 AM	9349						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD	11:30:00 AM	9350						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD	1:30:00 PM	9351						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD	3:30:00 PM	9352						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD.fx	9:30:00 AM	9353						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD.fx	11:30:00 AM	9354						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD.fx	1:30:00 PM	9355						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCAD.fx	3:30:00 PM	9356						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF	9:30:00 AM	9357						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF	11:30:00 AM	9358						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF	1:30:00 PM	9359						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF	3:30:00 PM	9360						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF.fx	9:30:00 AM	9361						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	USDCHF.fx	11:30:00 AM	9362						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF.fx	1:30:00 PM	9363						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCHF.fx	3:30:00 PM	9364						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK	9:30:00 AM	9365						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK	11:30:00 AM	9366						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK	1:30:00 PM	9367						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK	3:30:00 PM	9368						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK.fx	9:30:00 AM	9369						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK.fx	11:30:00 AM	9370						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK.fx	1:30:00 PM	9371						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDCZK.fx	3:30:00 PM	9372						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK	9:30:00 AM	9373						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK	11:30:00 AM	9374						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK	1:30:00 PM	9375						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK	3:30:00 PM	9376						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK.fx	9:30:00 AM	9377						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK.fx	11:30:00 AM	9378						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK.fx	1:30:00 PM	9379						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDDKK.fx	3:30:00 PM	9380						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD	9:30:00 AM	9381						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD	11:30:00 AM	9382						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD	1:30:00 PM	9383						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD	3:30:00 PM	9384						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD.fx	9:30:00 AM	9385						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD.fx	11:30:00 AM	9386						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD.fx	1:30:00 PM	9387						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHKD.fx	3:30:00 PM	9388						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF	9:30:00 AM	9389						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF	11:30:00 AM	9390						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF	1:30:00 PM	9391						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF	3:30:00 PM	9392						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF.fx	9:30:00 AM	9393						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF.fx	11:30:00 AM	9394						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDHUF.fx	1:30:00 PM	9395						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	USDHUF.fx	3:30:00 PM	9396						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDINR	9:30:00 AM	9397						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDINR	11:30:00 AM	9398						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDINR	1:30:00 PM	9399						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDINR	3:30:00 PM	9400						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY	9:30:00 AM	9401						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY	11:30:00 AM	9402						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY	1:30:00 PM	9403						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY	3:30:00 PM	9404						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY.fx	9:30:00 AM	9405						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY.fx	11:30:00 AM	9406						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY.fx	1:30:00 PM	9407						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDJPY.fx	3:30:00 PM	9408						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDMXN	9:30:00 AM	9409						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDMXN	11:30:00 AM	9410						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDMXN	1:30:00 PM	9411						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDMXN	3:30:00 PM	9412						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JSDMXN.fx	9:30:00 AM	9413						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JSDMXN.fx	11:30:00 AM	9414						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JSDMXN.fx	1:30:00 PM	9415						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	JSDMXN.fx	3:30:00 PM	9416						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK	9:30:00 AM	9417						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK	11:30:00 AM	9418						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK	1:30:00 PM	9419						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK	3:30:00 PM	9420						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK.fx	9:30:00 AM	9421						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK.fx	11:30:00 AM	9422						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK.fx	1:30:00 PM	9423						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDNOK.fx	3:30:00 PM	9424						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDPLN	9:30:00 AM	9425						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	USDPLN	1:30:00 PM	9427						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	USDPLN.fx	9:30:00 AM	9429						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	USDPLN.fx	11:30:00 AM	9430						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDPLN.fx	1:30:00 PM	9431						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDPLN.fx	3:30:00 PM	9432						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDRUB	9:30:00 AM	9433						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDRUB	11:30:00 AM	9434						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDRUB	1:30:00 PM	9435						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDRUB	3:30:00 PM	9436						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK	9:30:00 AM	9437						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK	11:30:00 AM	9438						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK	1:30:00 PM	9439						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK	3:30:00 PM	9440						Continuous Quote	N/A	ELECTRONIC	N/A
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10/8/2019	USDSEK.fx	11:30:00 AM	9442						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK.fx	1:30:00 PM	9443						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSEK.fx	3:30:00 PM	9444						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD	9:30:00 AM	9445						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD	11:30:00 AM	9446						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD	1:30:00 PM	9447						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD	3:30:00 PM	9448						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD.fx	9:30:00 AM	9449						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD.fx	11:30:00 AM	9450						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD.fx	1:30:00 PM	9451						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDSGD.fx	3:30:00 PM	9452						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR	9:30:00 AM	9453						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR	11:30:00 AM	9454						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR	1:30:00 PM	9455						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR	3:30:00 PM	9456						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR.fx	9:30:00 AM	9457						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR.fx	11:30:00 AM	9458						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR.fx	1:30:00 PM	9459						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	USDZAR.fx	3:30:00 PM	9460						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	XAUUSD	9:30:00 AM	9461						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	XAUUSD	11:30:00 AM	9462						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	XAUUSD	1:30:00 PM	9463						Continuous Quote	N/A	ELECTRONIC	N/A

10/8/2019	XAUUSD	3:30:00 PM	9464						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY	9:30:00 AM	9465						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY	11:30:00 AM	9466						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY	1:30:00 PM	9467						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY	3:30:00 PM	9468						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY.fx	9:30:00 AM	9469						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY.fx	11:30:00 AM	9470						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY.fx	1:30:00 PM	9471						Continuous Quote	N/A	ELECTRONIC	N/A
10/8/2019	ZARJPY.fx	3:30:00 PM	9472						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AA	9:30:00 AM	9473						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AA	11:30:00 AM	9474						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AA	1:30:00 PM	9475						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AA	3:30:00 PM	9476						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AABA	9:30:00 AM	9477						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AABA	11:30:00 AM	9478						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AABA	1:30:00 PM	9479						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AABA	3:30:00 PM	9480						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AAL	9:30:00 AM	9481						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AAL	11:30:00 AM	9482						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AAL	1:30:00 PM	9483						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AAL	3:30:00 PM	9484						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AAPL	9:30:00 AM	9485						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#ADBE	3:30:00 PM	9492						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#AIG	11:30:00 AM	9494						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AIG	1:30:00 PM	9495						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AIG	3:30:00 PM	9496						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMD	9:30:00 AM	9497						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	#AMD	11:30:00 AM	9498						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMD	1:30:00 PM	9499						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMD	3:30:00 PM	9500						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMZN	9:30:00 AM	9501						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMZN	11:30:00 AM	9502						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMZN	1:30:00 PM	9503						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AMZN	3:30:00 PM	9504						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AXP	9:30:00 AM	9505						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#AXP	1:30:00 PM	9507						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#AXP	3:30:00 PM	9508						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BA	9:30:00 AM	9509						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BA	11:30:00 AM	9510						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BA	1:30:00 PM	9511						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BA	3:30:00 PM	9512						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BABA	9:30:00 AM	9513						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BABA	11:30:00 AM	9514						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BABA	1:30:00 PM	9515						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BABA	3:30:00 PM	9516						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BAC	9:30:00 AM	9517						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BAC	11:30:00 AM	9518						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BAC	1:30:00 PM	9519						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BAC	3:30:00 PM	9520						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BARC	9:30:00 AM	9521						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BARC	11:30:00 AM	9522						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BARC	1:30:00 PM	9523						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BARC	3:30:00 PM	9524						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BHP	9:30:00 AM	9525						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BHP	11:30:00 AM	9526						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BHP	1:30:00 PM	9527						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BHP	3:30:00 PM	9528						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BIDU	9:30:00 AM	9529						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BIDU	11:30:00 AM	9530						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BIDU	1:30:00 PM	9531						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	#BIDU	3:30:00 PM	9532						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#Bitcoin	9:30:00 AM	9533						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#Bitcoin	11:30:00 AM	9534						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#Bitcoin	1:30:00 PM	9535						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#Bitcoin	3:30:00 PM	9536						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BK	9:30:00 AM	9537						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#BK	11:30:00 AM	9538						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#BK	3:30:00 PM	9540						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#EBAY	1:30:00 PM	9595						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#FSLR	11:30:00 AM	9618						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#FSLR	3:30:00 PM	9620						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#MON	3:30:00 PM	9740						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#NFLX	1:30:00 PM	9763						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#NFLX	3:30:00 PM	9764						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#NG.f	9:30:00 AM	9765						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#NG.f	11:30:00 AM	9766						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	#NG.f	1:30:00 PM	9767						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#SNE	3:30:00 PM	9832						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#TEVA	3:30:00 PM	9844						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	#TSCO	3:30:00 PM	9856						Continuous Quote	N/A	ELECTRONIC	N/A
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10/9/2019	AUDHKD	11:30:00 AM	9942						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHKD	1:30:00 PM	9943						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHKD	3:30:00 PM	9944						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHUF	9:30:00 AM	9945						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHUF	11:30:00 AM	9946						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHUF	1:30:00 PM	9947						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDHUF	3:30:00 PM	9948						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY	9:30:00 AM	9949						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY	11:30:00 AM	9950						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY	1:30:00 PM	9951						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY	3:30:00 PM	9952						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY.fx	9:30:00 AM	9953						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY.fx	11:30:00 AM	9954						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY.fx	1:30:00 PM	9955						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDJPY.fx	3:30:00 PM	9956						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDMXN	9:30:00 AM	9957						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDMXN	11:30:00 AM	9958						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDMXN	1:30:00 PM	9959						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDMXN	3:30:00 PM	9960						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK	9:30:00 AM	9961						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK	11:30:00 AM	9962						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK	1:30:00 PM	9963						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK	3:30:00 PM	9964						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK.fx	9:30:00 AM	9965						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK.fx	11:30:00 AM	9966						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK.fx	1:30:00 PM	9967						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNOK.fx	3:30:00 PM	9968						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD	9:30:00 AM	9969						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD	11:30:00 AM	9970						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD	1:30:00 PM	9971						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD	3:30:00 PM	9972						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD.fx	9:30:00 AM	9973						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	AUDNZD.fx	11:30:00 AM	9974						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD.fx	1:30:00 PM	9975						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDNZD.fx	3:30:00 PM	9976						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDPLN	9:30:00 AM	9977						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDPLN	11:30:00 AM	9978						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDPLN	1:30:00 PM	9979						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDPLN	3:30:00 PM	9980						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK	9:30:00 AM	9981						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK	11:30:00 AM	9982						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK	1:30:00 PM	9983						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK	3:30:00 PM	9984						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK.fx	9:30:00 AM	9985						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK.fx	11:30:00 AM	9986						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK.fx	1:30:00 PM	9987						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSEK.fx	3:30:00 PM	9988						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD	9:30:00 AM	9989						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD	11:30:00 AM	9990						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD	1:30:00 PM	9991						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD	3:30:00 PM	9992						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD.fx	9:30:00 AM	9993						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD.fx	11:30:00 AM	9994						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD.fx	1:30:00 PM	9995						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDSGD.fx	3:30:00 PM	9996						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD	9:30:00 AM	9997						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD	11:30:00 AM	9998						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD	1:30:00 PM	9999						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD	3:30:00 PM	10000						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD.fx	9:30:00 AM	10001						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD.fx	11:30:00 AM	10002						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD.fx	1:30:00 PM	10003						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDUSD.fx	3:30:00 PM	10004						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDZAR	9:30:00 AM	10005						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDZAR	11:30:00 AM	10006						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUDZAR	1:30:00 PM	10007						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	AUDZAR	3:30:00 PM	10008						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUS200.i	9:30:00 AM	10009						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUS200.i	11:30:00 AM	10010						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUS200.i	1:30:00 PM	10011						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	AUS200.i	3:30:00 PM	10012						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	BCHUSD	9:30:00 AM	10013						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	BCHUSD	11:30:00 AM	10014						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	BCHUSD	1:30:00 PM	10015						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	BCHUSD	3:30:00 PM	10016						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF	9:30:00 AM	10017						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF	11:30:00 AM	10018						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF	1:30:00 PM	10019						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF	3:30:00 PM	10020						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF.fx	9:30:00 AM	10021						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF.fx	11:30:00 AM	10022						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF.fx	1:30:00 PM	10023						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCHF.fx	3:30:00 PM	10024						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCZK	9:30:00 AM	10025						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCZK	11:30:00 AM	10026						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCZK	1:30:00 PM	10027						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADCZK	3:30:00 PM	10028						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADDKK	9:30:00 AM	10029						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADDKK	11:30:00 AM	10030						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADDKK	1:30:00 PM	10031						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADDKK	3:30:00 PM	10032						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHKD	9:30:00 AM	10033						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHKD	11:30:00 AM	10034						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHKD	1:30:00 PM	10035						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHKD	3:30:00 PM	10036						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHUF	9:30:00 AM	10037						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHUF	11:30:00 AM	10038						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHUF	1:30:00 PM	10039						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADHUF	3:30:00 PM	10040						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY	9:30:00 AM	10041						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	CADJPY	11:30:00 AM	10042						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY	1:30:00 PM	10043						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY	3:30:00 PM	10044						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY.fx	9:30:00 AM	10045						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY.fx	11:30:00 AM	10046						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY.fx	1:30:00 PM	10047						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADJPY.fx	3:30:00 PM	10048						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADMXN	9:30:00 AM	10049						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADMXN	11:30:00 AM	10050						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADMXN	1:30:00 PM	10051						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADMXN	3:30:00 PM	10052						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADNOK	9:30:00 AM	10053						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADNOK	11:30:00 AM	10054						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADNOK	1:30:00 PM	10055						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADNOK	3:30:00 PM	10056						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADPLN	9:30:00 AM	10057						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADPLN	11:30:00 AM	10058						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADPLN	1:30:00 PM	10059						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADPLN	3:30:00 PM	10060						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSEK	9:30:00 AM	10061						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSEK	11:30:00 AM	10062						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSEK	1:30:00 PM	10063						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSEK	3:30:00 PM	10064						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSGD	9:30:00 AM	10065						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSGD	11:30:00 AM	10066						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSGD	1:30:00 PM	10067						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADSGD	3:30:00 PM	10068						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADZAR	9:30:00 AM	10069						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADZAR	11:30:00 AM	10070						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADZAR	1:30:00 PM	10071						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CADZAR	3:30:00 PM	10072						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFCZK	9:30:00 AM	10073						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFCZK	11:30:00 AM	10074						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFCZK	1:30:00 PM	10075						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	CHFCZK	3:30:00 PM	10076						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK	9:30:00 AM	10077						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK	11:30:00 AM	10078						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK	1:30:00 PM	10079						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK	3:30:00 PM	10080						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK.fx	9:30:00 AM	10081						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK.fx	11:30:00 AM	10082						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK.fx	1:30:00 PM	10083						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFDKK.fx	3:30:00 PM	10084						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHKD	9:30:00 AM	10085						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHKD	11:30:00 AM	10086						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHKD	1:30:00 PM	10087						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHKD	3:30:00 PM	10088						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHUF	9:30:00 AM	10089						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHUF	11:30:00 AM	10090						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHUF	1:30:00 PM	10091						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFHUF	3:30:00 PM	10092						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY	9:30:00 AM	10093						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY	11:30:00 AM	10094						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY	1:30:00 PM	10095						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY	3:30:00 PM	10096						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY.fx	9:30:00 AM	10097						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY.fx	11:30:00 AM	10098						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY.fx	1:30:00 PM	10099						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFJPY.fx	3:30:00 PM	10100						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFMXN	9:30:00 AM	10101						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFMXN	11:30:00 AM	10102						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFMXN	1:30:00 PM	10103						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFMXN	3:30:00 PM	10104						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK	9:30:00 AM	10105						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK	11:30:00 AM	10106						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK	1:30:00 PM	10107						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK	3:30:00 PM	10108						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK.fx	9:30:00 AM	10109						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	CHFNOK.fx	11:30:00 AM	10110						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK.fx	1:30:00 PM	10111						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFNOK.fx	3:30:00 PM	10112						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN	9:30:00 AM	10113						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN	11:30:00 AM	10114						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN	1:30:00 PM	10115						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN	3:30:00 PM	10116						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN.fx	9:30:00 AM	10117						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN.fx	11:30:00 AM	10118						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN.fx	1:30:00 PM	10119						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFPLN.fx	3:30:00 PM	10120						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSEK	9:30:00 AM	10121						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSEK	11:30:00 AM	10122						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSEK	1:30:00 PM	10123						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSEK	3:30:00 PM	10124						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD	9:30:00 AM	10125						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD	11:30:00 AM	10126						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD	1:30:00 PM	10127						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD	3:30:00 PM	10128						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD.fx	9:30:00 AM	10129						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD.fx	11:30:00 AM	10130						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD.fx	1:30:00 PM	10131						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFSGD.fx	3:30:00 PM	10132						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFZAR	9:30:00 AM	10133						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFZAR	11:30:00 AM	10134						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFZAR	1:30:00 PM	10135						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CHFZAR	3:30:00 PM	10136						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CZKJPY	9:30:00 AM	10137						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CZKJPY	11:30:00 AM	10138						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CZKJPY	1:30:00 PM	10139						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	CZKJPY	3:30:00 PM	10140						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DAX30.i	9:30:00 AM	10141						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DAX30.i	11:30:00 AM	10142						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DAX30.i	1:30:00 PM	10143						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	DAX30.i	3:30:00 PM	10144						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DJ30.i	9:30:00 AM	10145						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DJ30.i	11:30:00 AM	10146						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DJ30.i	1:30:00 PM	10147						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DJ30.i	3:30:00 PM	10148						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DKKJPY	9:30:00 AM	10149						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DKKJPY	11:30:00 AM	10150						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DKKJPY	1:30:00 PM	10151						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	DKKJPY	3:30:00 PM	10152						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD	9:30:00 AM	10153						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD	11:30:00 AM	10154						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD	1:30:00 PM	10155						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD	3:30:00 PM	10156						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD.fx	9:30:00 AM	10157						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD.fx	11:30:00 AM	10158						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD.fx	1:30:00 PM	10159						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURAUD.fx	3:30:00 PM	10160						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD	9:30:00 AM	10161						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD	11:30:00 AM	10162						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD	1:30:00 PM	10163						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD	3:30:00 PM	10164						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD.fx	9:30:00 AM	10165						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD.fx	11:30:00 AM	10166						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD.fx	1:30:00 PM	10167						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCAD.fx	3:30:00 PM	10168						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF	9:30:00 AM	10169						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF	11:30:00 AM	10170						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF	1:30:00 PM	10171						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF	3:30:00 PM	10172						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF.fx	9:30:00 AM	10173						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF.fx	11:30:00 AM	10174						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF.fx	1:30:00 PM	10175						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCHF.fx	3:30:00 PM	10176						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCZK	9:30:00 AM	10177						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	EURCZK	11:30:00 AM	10178						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCZK	1:30:00 PM	10179						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURCZK	3:30:00 PM	10180						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURDKK	9:30:00 AM	10181						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURDKK	11:30:00 AM	10182						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURDKK	1:30:00 PM	10183						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURDKK	3:30:00 PM	10184						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP	9:30:00 AM	10185						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP	11:30:00 AM	10186						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP	1:30:00 PM	10187						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP	3:30:00 PM	10188						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP.fx	9:30:00 AM	10189						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP.fx	11:30:00 AM	10190						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP.fx	1:30:00 PM	10191						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURGBP.fx	3:30:00 PM	10192						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD	9:30:00 AM	10193						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD	11:30:00 AM	10194						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD	1:30:00 PM	10195						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD	3:30:00 PM	10196						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD.fx	9:30:00 AM	10197						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD.fx	11:30:00 AM	10198						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD.fx	1:30:00 PM	10199						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHKD.fx	3:30:00 PM	10200						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF	9:30:00 AM	10201						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF	11:30:00 AM	10202						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF	1:30:00 PM	10203						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF	3:30:00 PM	10204						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF.fx	9:30:00 AM	10205						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF.fx	11:30:00 AM	10206						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF.fx	1:30:00 PM	10207						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURHUF.fx	3:30:00 PM	10208						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY	9:30:00 AM	10209						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY	11:30:00 AM	10210						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY	1:30:00 PM	10211						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	EURJPY	3:30:00 PM	10212						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY.fx	9:30:00 AM	10213						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY.fx	11:30:00 AM	10214						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY.fx	1:30:00 PM	10215						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURJPY.fx	3:30:00 PM	10216						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN	9:30:00 AM	10217						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN	11:30:00 AM	10218						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN	1:30:00 PM	10219						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN	3:30:00 PM	10220						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN.fx	9:30:00 AM	10221						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN.fx	11:30:00 AM	10222						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN.fx	1:30:00 PM	10223						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURMXN.fx	3:30:00 PM	10224						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK	9:30:00 AM	10225						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK	11:30:00 AM	10226						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK	1:30:00 PM	10227						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK	3:30:00 PM	10228						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK.fx	9:30:00 AM	10229						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK.fx	11:30:00 AM	10230						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK.fx	1:30:00 PM	10231						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNOK.fx	3:30:00 PM	10232						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD	9:30:00 AM	10233						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD	11:30:00 AM	10234						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD	1:30:00 PM	10235						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD	3:30:00 PM	10236						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD.fx	9:30:00 AM	10237						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD.fx	11:30:00 AM	10238						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD.fx	1:30:00 PM	10239						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURNZD.fx	3:30:00 PM	10240						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN	9:30:00 AM	10241						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN	11:30:00 AM	10242						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN	1:30:00 PM	10243						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN	3:30:00 PM	10244						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN.fx	9:30:00 AM	10245						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	EURPLN.fx	11:30:00 AM	10246						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN.fx	1:30:00 PM	10247						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURPLN.fx	3:30:00 PM	10248						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURRUB	9:30:00 AM	10249						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURRUB	11:30:00 AM	10250						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURRUB	1:30:00 PM	10251						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURRUB	3:30:00 PM	10252						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK	9:30:00 AM	10253						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK	11:30:00 AM	10254						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK	1:30:00 PM	10255						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK	3:30:00 PM	10256						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK.fx	9:30:00 AM	10257						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK.fx	11:30:00 AM	10258						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK.fx	1:30:00 PM	10259						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSEK.fx	3:30:00 PM	10260						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD	9:30:00 AM	10261						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD	11:30:00 AM	10262						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD	1:30:00 PM	10263						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD	3:30:00 PM	10264						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD.fx	9:30:00 AM	10265						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD.fx	11:30:00 AM	10266						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD.fx	1:30:00 PM	10267						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURSGD.fx	3:30:00 PM	10268						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD	9:30:00 AM	10269						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD	11:30:00 AM	10270						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD	1:30:00 PM	10271						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD	3:30:00 PM	10272						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD.fx	9:30:00 AM	10273						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD.fx	11:30:00 AM	10274						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD.fx	1:30:00 PM	10275						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURUSD.fx	3:30:00 PM	10276						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR	9:30:00 AM	10277						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR	11:30:00 AM	10278						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR	1:30:00 PM	10279						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	EURZAR	3:30:00 PM	10280						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR.fx	9:30:00 AM	10281						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR.fx	11:30:00 AM	10282						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR.fx	1:30:00 PM	10283						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	EURZAR.fx	3:30:00 PM	10284						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD	9:30:00 AM	10285						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD	11:30:00 AM	10286						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD	1:30:00 PM	10287						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD	3:30:00 PM	10288						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD.fx	9:30:00 AM	10289						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD.fx	11:30:00 AM	10290						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD.fx	1:30:00 PM	10291						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPAUD.fx	3:30:00 PM	10292						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD	9:30:00 AM	10293						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD	11:30:00 AM	10294						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD	1:30:00 PM	10295						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD	3:30:00 PM	10296						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD.fx	9:30:00 AM	10297						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD.fx	11:30:00 AM	10298						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD.fx	1:30:00 PM	10299						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCAD.fx	3:30:00 PM	10300						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF	9:30:00 AM	10301						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF	11:30:00 AM	10302						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF	1:30:00 PM	10303						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF	3:30:00 PM	10304						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF.fx	9:30:00 AM	10305						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF.fx	11:30:00 AM	10306						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF.fx	1:30:00 PM	10307						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCHF.fx	3:30:00 PM	10308						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCZK	9:30:00 AM	10309						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCZK	11:30:00 AM	10310						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCZK	1:30:00 PM	10311						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPCZK	3:30:00 PM	10312						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK	9:30:00 AM	10313						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	GBPDKK	11:30:00 AM	10314						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK	1:30:00 PM	10315						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK	3:30:00 PM	10316						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK.fx	9:30:00 AM	10317						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK.fx	11:30:00 AM	10318						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK.fx	1:30:00 PM	10319						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPDKK.fx	3:30:00 PM	10320						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHKD	9:30:00 AM	10321						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHKD	11:30:00 AM	10322						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHKD	1:30:00 PM	10323						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHKD	3:30:00 PM	10324						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHUF	9:30:00 AM	10325						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHUF	11:30:00 AM	10326						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHUF	1:30:00 PM	10327						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPHUF	3:30:00 PM	10328						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY	9:30:00 AM	10329						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY	11:30:00 AM	10330						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY	1:30:00 PM	10331						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY	3:30:00 PM	10332						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY.fx	9:30:00 AM	10333						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY.fx	11:30:00 AM	10334						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY.fx	1:30:00 PM	10335						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPJPY.fx	3:30:00 PM	10336						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPMXN	9:30:00 AM	10337						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPMXN	11:30:00 AM	10338						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPMXN	1:30:00 PM	10339						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPMXN	3:30:00 PM	10340						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK	9:30:00 AM	10341						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK	11:30:00 AM	10342						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK	1:30:00 PM	10343						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK	3:30:00 PM	10344						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK.fx	9:30:00 AM	10345						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK.fx	11:30:00 AM	10346						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNOK.fx	1:30:00 PM	10347						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	GBPNOK.fx	3:30:00 PM	10348						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD	9:30:00 AM	10349						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD	11:30:00 AM	10350						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD	1:30:00 PM	10351						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD	3:30:00 PM	10352						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD.fx	9:30:00 AM	10353						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD.fx	11:30:00 AM	10354						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD.fx	1:30:00 PM	10355						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPNZD.fx	3:30:00 PM	10356						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN	9:30:00 AM	10357						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN	11:30:00 AM	10358						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN	1:30:00 PM	10359						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN	3:30:00 PM	10360						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN.fx	9:30:00 AM	10361						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN.fx	11:30:00 AM	10362						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN.fx	1:30:00 PM	10363						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPPLN.fx	3:30:00 PM	10364						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK	9:30:00 AM	10365						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK	11:30:00 AM	10366						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK	1:30:00 PM	10367						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK	3:30:00 PM	10368						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK.fx	9:30:00 AM	10369						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK.fx	11:30:00 AM	10370						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK.fx	1:30:00 PM	10371						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSEK.fx	3:30:00 PM	10372						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD	9:30:00 AM	10373						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD	11:30:00 AM	10374						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD	1:30:00 PM	10375						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD	3:30:00 PM	10376						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD.fx	9:30:00 AM	10377						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD.fx	11:30:00 AM	10378						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD.fx	1:30:00 PM	10379						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPSGD.fx	3:30:00 PM	10380						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD	9:30:00 AM	10381						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	GBPUSD	11:30:00 AM	10382						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD	1:30:00 PM	10383						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD	3:30:00 PM	10384						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD.fx	9:30:00 AM	10385						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD.fx	11:30:00 AM	10386						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD.fx	1:30:00 PM	10387						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPUSD.fx	3:30:00 PM	10388						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR	9:30:00 AM	10389						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR	11:30:00 AM	10390						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR	1:30:00 PM	10391						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR	3:30:00 PM	10392						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR.fx	9:30:00 AM	10393						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR.fx	11:30:00 AM	10394						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR.fx	1:30:00 PM	10395						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GBPZAR.fx	3:30:00 PM	10396						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GOLD	9:30:00 AM	10397						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GOLD	11:30:00 AM	10398						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GOLD	1:30:00 PM	10399						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	GOLD	3:30:00 PM	10400						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY	9:30:00 AM	10401						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY	11:30:00 AM	10402						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY	1:30:00 PM	10403						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY	3:30:00 PM	10404						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY.fx	9:30:00 AM	10405						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY.fx	11:30:00 AM	10406						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY.fx	1:30:00 PM	10407						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HKDJPY.fx	3:30:00 PM	10408						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HUFJPY	9:30:00 AM	10409						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HUFJPY	11:30:00 AM	10410						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HUFJPY	1:30:00 PM	10411						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	HUFJPY	3:30:00 PM	10412						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JP225.i	9:30:00 AM	10413						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JP225.i	11:30:00 AM	10414						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JP225.i	1:30:00 PM	10415						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	JP225.i	3:30:00 PM	10416						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	MXNJPY	9:30:00 AM	10417						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	MXNJPY	11:30:00 AM	10418						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	MXNJPY	1:30:00 PM	10419						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	MXNJPY	3:30:00 PM	10420						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NASDAQ.i	9:30:00 AM	10421						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NASDAQ.i	11:30:00 AM	10422						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NASDAQ.i	1:30:00 PM	10423						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NASDAQ.i	3:30:00 PM	10424						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY	9:30:00 AM	10425						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY	11:30:00 AM	10426						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY	1:30:00 PM	10427						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY	3:30:00 PM	10428						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY.fx	9:30:00 AM	10429						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY.fx	11:30:00 AM	10430						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY.fx	1:30:00 PM	10431						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NOKJPY.fx	3:30:00 PM	10432						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD	9:30:00 AM	10433						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD	11:30:00 AM	10434						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD	1:30:00 PM	10435						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD	3:30:00 PM	10436						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD.fx	9:30:00 AM	10437						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD.fx	11:30:00 AM	10438						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD.fx	1:30:00 PM	10439						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCAD.fx	3:30:00 PM	10440						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF	9:30:00 AM	10441						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF	11:30:00 AM	10442						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF	1:30:00 PM	10443						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF	3:30:00 PM	10444						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF.fx	9:30:00 AM	10445						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF.fx	11:30:00 AM	10446						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF.fx	1:30:00 PM	10447						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCHF.fx	3:30:00 PM	10448						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCZK	9:30:00 AM	10449						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	NZDCZK	11:30:00 AM	10450						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCZK	1:30:00 PM	10451						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDCZK	3:30:00 PM	10452						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDDKK	9:30:00 AM	10453						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDDKK	11:30:00 AM	10454						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDDKK	1:30:00 PM	10455						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDDKK	3:30:00 PM	10456						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHKD	9:30:00 AM	10457						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHKD	11:30:00 AM	10458						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHKD	1:30:00 PM	10459						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHKD	3:30:00 PM	10460						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHUF	9:30:00 AM	10461						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHUF	11:30:00 AM	10462						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHUF	1:30:00 PM	10463						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDHUF	3:30:00 PM	10464						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY	9:30:00 AM	10465						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY	11:30:00 AM	10466						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY	1:30:00 PM	10467						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY	3:30:00 PM	10468						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY.fx	9:30:00 AM	10469						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY.fx	11:30:00 AM	10470						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY.fx	1:30:00 PM	10471						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDJPY.fx	3:30:00 PM	10472						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDMXN	9:30:00 AM	10473						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDMXN	11:30:00 AM	10474						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDMXN	1:30:00 PM	10475						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDMXN	3:30:00 PM	10476						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDNOK	9:30:00 AM	10477						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDNOK	11:30:00 AM	10478						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDNOK	1:30:00 PM	10479						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDNOK	3:30:00 PM	10480						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDPLN	9:30:00 AM	10481						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDPLN	11:30:00 AM	10482						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDPLN	1:30:00 PM	10483						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	NZDPLN	3:30:00 PM	10484						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSEK	9:30:00 AM	10485						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSEK	11:30:00 AM	10486						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSEK	1:30:00 PM	10487						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSEK	3:30:00 PM	10488						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD	9:30:00 AM	10489						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD	11:30:00 AM	10490						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD	1:30:00 PM	10491						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD	3:30:00 PM	10492						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD.fx	9:30:00 AM	10493						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD.fx	11:30:00 AM	10494						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD.fx	1:30:00 PM	10495						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDSGD.fx	3:30:00 PM	10496						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD	9:30:00 AM	10497						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD	11:30:00 AM	10498						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD	1:30:00 PM	10499						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD	3:30:00 PM	10500						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD.fx	9:30:00 AM	10501						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD.fx	11:30:00 AM	10502						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD.fx	1:30:00 PM	10503						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDUSD.fx	3:30:00 PM	10504						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDZAR	9:30:00 AM	10505						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDZAR	11:30:00 AM	10506						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDZAR	1:30:00 PM	10507						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	NZDZAR	3:30:00 PM	10508						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY	9:30:00 AM	10509						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY	11:30:00 AM	10510						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY	1:30:00 PM	10511						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY	3:30:00 PM	10512						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY.fx	9:30:00 AM	10513						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY.fx	11:30:00 AM	10514						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY.fx	1:30:00 PM	10515						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SEKJPY.fx	3:30:00 PM	10516						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SGDJPY	9:30:00 AM	10517						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	SGDJPY	11:30:00 AM	10518						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SGDJPY	1:30:00 PM	10519						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SGDJPY	3:30:00 PM	10520						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SILVER	9:30:00 AM	10521						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SILVER	11:30:00 AM	10522						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SILVER	1:30:00 PM	10523						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SILVER	3:30:00 PM	10524						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SPX500.i	9:30:00 AM	10525						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SPX500.i	11:30:00 AM	10526						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SPX500.i	1:30:00 PM	10527						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	SPX500.i	3:30:00 PM	10528						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	UK100.i	9:30:00 AM	10529						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	UK100.i	11:30:00 AM	10530						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	UK100.i	1:30:00 PM	10531						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	UK100.i	3:30:00 PM	10532						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD	9:30:00 AM	10533						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD	11:30:00 AM	10534						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD	1:30:00 PM	10535						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD	3:30:00 PM	10536						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD.fx	9:30:00 AM	10537						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD.fx	11:30:00 AM	10538						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD.fx	1:30:00 PM	10539						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCAD.fx	3:30:00 PM	10540						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF	9:30:00 AM	10541						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF	11:30:00 AM	10542						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF	1:30:00 PM	10543						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF	3:30:00 PM	10544						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF.fx	9:30:00 AM	10545						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF.fx	11:30:00 AM	10546						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF.fx	1:30:00 PM	10547						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCHF.fx	3:30:00 PM	10548						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK	9:30:00 AM	10549						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK	11:30:00 AM	10550						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK	1:30:00 PM	10551						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	USDCZK	3:30:00 PM	10552						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK.fx	9:30:00 AM	10553						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK.fx	11:30:00 AM	10554						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK.fx	1:30:00 PM	10555						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDCZK.fx	3:30:00 PM	10556						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK	9:30:00 AM	10557						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK	11:30:00 AM	10558						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK	1:30:00 PM	10559						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK	3:30:00 PM	10560						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK.fx	9:30:00 AM	10561						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK.fx	11:30:00 AM	10562						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK.fx	1:30:00 PM	10563						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDDKK.fx	3:30:00 PM	10564						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD	9:30:00 AM	10565						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD	11:30:00 AM	10566						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD	1:30:00 PM	10567						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD	3:30:00 PM	10568						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD.fx	9:30:00 AM	10569						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD.fx	11:30:00 AM	10570						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD.fx	1:30:00 PM	10571						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHKD.fx	3:30:00 PM	10572						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF	9:30:00 AM	10573						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF	11:30:00 AM	10574						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF	1:30:00 PM	10575						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF	3:30:00 PM	10576						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF.fx	9:30:00 AM	10577						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF.fx	11:30:00 AM	10578						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF.fx	1:30:00 PM	10579						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDHUF.fx	3:30:00 PM	10580						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDINR	9:30:00 AM	10581						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDINR	11:30:00 AM	10582						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDINR	1:30:00 PM	10583						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDINR	3:30:00 PM	10584						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY	9:30:00 AM	10585						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	USDJPY	11:30:00 AM	10586						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY	1:30:00 PM	10587						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY	3:30:00 PM	10588						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY.fx	9:30:00 AM	10589						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY.fx	11:30:00 AM	10590						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY.fx	1:30:00 PM	10591						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDJPY.fx	3:30:00 PM	10592						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDMXN	9:30:00 AM	10593						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDMXN	11:30:00 AM	10594						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDMXN	1:30:00 PM	10595						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDMXN	3:30:00 PM	10596						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JSDMXN.fx	9:30:00 AM	10597						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JSDMXN.fx	11:30:00 AM	10598						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JSDMXN.fx	1:30:00 PM	10599						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	JSDMXN.fx	3:30:00 PM	10600						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK	9:30:00 AM	10601						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK	11:30:00 AM	10602						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK	1:30:00 PM	10603						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK	3:30:00 PM	10604						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK.fx	9:30:00 AM	10605						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK.fx	11:30:00 AM	10606						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK.fx	1:30:00 PM	10607						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDNOK.fx	3:30:00 PM	10608						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN	9:30:00 AM	10609						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN	11:30:00 AM	10610						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN	1:30:00 PM	10611						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN	3:30:00 PM	10612						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN.fx	9:30:00 AM	10613						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN.fx	11:30:00 AM	10614						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN.fx	1:30:00 PM	10615						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDPLN.fx	3:30:00 PM	10616						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDRUB	9:30:00 AM	10617						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDRUB	11:30:00 AM	10618						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDRUB	1:30:00 PM	10619						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	USDRUB	3:30:00 PM	10620						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK	9:30:00 AM	10621						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK	11:30:00 AM	10622						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK	1:30:00 PM	10623						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK	3:30:00 PM	10624						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK.fx	9:30:00 AM	10625						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK.fx	11:30:00 AM	10626						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK.fx	1:30:00 PM	10627						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSEK.fx	3:30:00 PM	10628						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD	9:30:00 AM	10629						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD	11:30:00 AM	10630						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD	1:30:00 PM	10631						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD	3:30:00 PM	10632						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD.fx	9:30:00 AM	10633						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD.fx	11:30:00 AM	10634						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD.fx	1:30:00 PM	10635						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDSGD.fx	3:30:00 PM	10636						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR	9:30:00 AM	10637						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR	11:30:00 AM	10638						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR	1:30:00 PM	10639						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR	3:30:00 PM	10640						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR.fx	9:30:00 AM	10641						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR.fx	11:30:00 AM	10642						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR.fx	1:30:00 PM	10643						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	USDZAR.fx	3:30:00 PM	10644						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	XAUUSD	9:30:00 AM	10645						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	XAUUSD	11:30:00 AM	10646						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	XAUUSD	1:30:00 PM	10647						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	XAUUSD	3:30:00 PM	10648						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY	9:30:00 AM	10649						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY	11:30:00 AM	10650						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY	1:30:00 PM	10651						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY	3:30:00 PM	10652						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY.fx	9:30:00 AM	10653						Continuous Quote	N/A	ELECTRONIC	N/A

10/9/2019	ZARJPY.fx	11:30:00 AM	10654						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY.fx	1:30:00 PM	10655						Continuous Quote	N/A	ELECTRONIC	N/A
10/9/2019	ZARJPY.fx	3:30:00 PM	10656						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AA	9:30:00 AM	10657						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AA	11:30:00 AM	10658						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AA	1:30:00 PM	10659						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AA	3:30:00 PM	10660						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AABA	9:30:00 AM	10661						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AABA	11:30:00 AM	10662						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AABA	1:30:00 PM	10663						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AABA	3:30:00 PM	10664						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAL	9:30:00 AM	10665						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAL	11:30:00 AM	10666						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAL	1:30:00 PM	10667						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAL	3:30:00 PM	10668						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAPL	9:30:00 AM	10669						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AAPL	11:30:00 AM	10670						Continuous Quote	N/A	ELECTRONIC	N/A
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10/10/2019	#AAPL	3:30:00 PM	10672						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#ADBE	9:30:00 AM	10673						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#ADBE	11:30:00 AM	10674						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#ADBE	1:30:00 PM	10675						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#ADBE	3:30:00 PM	10676						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AIG	9:30:00 AM	10677						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AIG	11:30:00 AM	10678						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AIG	1:30:00 PM	10679						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AIG	3:30:00 PM	10680						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMD	9:30:00 AM	10681						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMD	11:30:00 AM	10682						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMD	1:30:00 PM	10683						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMD	3:30:00 PM	10684						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMZN	9:30:00 AM	10685						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMZN	11:30:00 AM	10686						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AMZN	1:30:00 PM	10687						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	#AMZN	3:30:00 PM	10688						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AXP	9:30:00 AM	10689						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AXP	11:30:00 AM	10690						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AXP	1:30:00 PM	10691						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#AXP	3:30:00 PM	10692						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BA	9:30:00 AM	10693						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BA	11:30:00 AM	10694						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BA	1:30:00 PM	10695						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BA	3:30:00 PM	10696						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BABA	9:30:00 AM	10697						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BABA	11:30:00 AM	10698						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BABA	1:30:00 PM	10699						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BABA	3:30:00 PM	10700						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BAC	9:30:00 AM	10701						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BAC	11:30:00 AM	10702						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BAC	1:30:00 PM	10703						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BAC	3:30:00 PM	10704						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BARC	9:30:00 AM	10705						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BARC	11:30:00 AM	10706						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BARC	1:30:00 PM	10707						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BARC	3:30:00 PM	10708						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BHP	9:30:00 AM	10709						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BHP	11:30:00 AM	10710						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BHP	1:30:00 PM	10711						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BHP	3:30:00 PM	10712						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BIDU	9:30:00 AM	10713						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BIDU	11:30:00 AM	10714						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BIDU	1:30:00 PM	10715						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BIDU	3:30:00 PM	10716						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#Bitcoin	9:30:00 AM	10717						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#Bitcoin	11:30:00 AM	10718						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#Bitcoin	1:30:00 PM	10719						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#Bitcoin	3:30:00 PM	10720						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BK	9:30:00 AM	10721						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	#BK	11:30:00 AM	10722						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BK	1:30:00 PM	10723						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BK	3:30:00 PM	10724						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BLT	9:30:00 AM	10725						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BLT	11:30:00 AM	10726						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BLT	1:30:00 PM	10727						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#BLT	3:30:00 PM	10728						Continuous Quote	N/A	ELECTRONIC	N/A
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10/10/2019	#PBR	1:30:00 PM	10975						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#PBR	3:30:00 PM	10976						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#PEP	9:30:00 AM	10977						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#PEP	11:30:00 AM	10978						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	#PEP	1:30:00 PM	10979						Continuous Quote	N/A	ELECTRONIC	N/A
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10/10/2019	AUDCHF.fx	9:30:00 AM	11113						Continuous Quote	N/A	ELECTRONIC	N/A
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10/10/2019	AUDHUF	3:30:00 PM	11132						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY	9:30:00 AM	11133						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY	11:30:00 AM	11134						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY	1:30:00 PM	11135						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY	3:30:00 PM	11136						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY.fx	9:30:00 AM	11137						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY.fx	11:30:00 AM	11138						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY.fx	1:30:00 PM	11139						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDJPY.fx	3:30:00 PM	11140						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDMXN	9:30:00 AM	11141						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDMXN	11:30:00 AM	11142						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDMXN	1:30:00 PM	11143						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDMXN	3:30:00 PM	11144						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK	9:30:00 AM	11145						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK	11:30:00 AM	11146						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK	1:30:00 PM	11147						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK	3:30:00 PM	11148						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK.fx	9:30:00 AM	11149						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK.fx	11:30:00 AM	11150						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK.fx	1:30:00 PM	11151						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNOK.fx	3:30:00 PM	11152						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD	9:30:00 AM	11153						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD	11:30:00 AM	11154						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD	1:30:00 PM	11155						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD	3:30:00 PM	11156						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD.fx	9:30:00 AM	11157						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD.fx	11:30:00 AM	11158						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD.fx	1:30:00 PM	11159						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDNZD.fx	3:30:00 PM	11160						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDPLN	9:30:00 AM	11161						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDPLN	11:30:00 AM	11162						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDPLN	1:30:00 PM	11163						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	AUDPLN	3:30:00 PM	11164						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK	9:30:00 AM	11165						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK	11:30:00 AM	11166						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK	1:30:00 PM	11167						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK	3:30:00 PM	11168						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK.fx	9:30:00 AM	11169						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK.fx	11:30:00 AM	11170						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK.fx	1:30:00 PM	11171						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSEK.fx	3:30:00 PM	11172						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD	9:30:00 AM	11173						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD	11:30:00 AM	11174						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD	1:30:00 PM	11175						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD	3:30:00 PM	11176						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD.fx	9:30:00 AM	11177						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD.fx	11:30:00 AM	11178						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD.fx	1:30:00 PM	11179						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDSGD.fx	3:30:00 PM	11180						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD	9:30:00 AM	11181						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD	11:30:00 AM	11182						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD	1:30:00 PM	11183						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD	3:30:00 PM	11184						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD.fx	9:30:00 AM	11185						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD.fx	11:30:00 AM	11186						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD.fx	1:30:00 PM	11187						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDUSD.fx	3:30:00 PM	11188						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDZAR	9:30:00 AM	11189						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDZAR	11:30:00 AM	11190						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDZAR	1:30:00 PM	11191						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUDZAR	3:30:00 PM	11192						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUS200.i	9:30:00 AM	11193						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUS200.i	11:30:00 AM	11194						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUS200.i	1:30:00 PM	11195						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	AUS200.i	3:30:00 PM	11196						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	BCHUSD	9:30:00 AM	11197						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	BCHUSD	11:30:00 AM	11198						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	BCHUSD	1:30:00 PM	11199						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	BCHUSD	3:30:00 PM	11200						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF	9:30:00 AM	11201						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF	11:30:00 AM	11202						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF	1:30:00 PM	11203						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF	3:30:00 PM	11204						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF.fx	9:30:00 AM	11205						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF.fx	11:30:00 AM	11206						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF.fx	1:30:00 PM	11207						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCHF.fx	3:30:00 PM	11208						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCZK	9:30:00 AM	11209						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCZK	11:30:00 AM	11210						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCZK	1:30:00 PM	11211						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADCZK	3:30:00 PM	11212						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADDDK	9:30:00 AM	11213						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADDDK	11:30:00 AM	11214						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADDDK	1:30:00 PM	11215						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADDDK	3:30:00 PM	11216						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHKD	9:30:00 AM	11217						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHKD	11:30:00 AM	11218						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHKD	1:30:00 PM	11219						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHKD	3:30:00 PM	11220						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHUF	9:30:00 AM	11221						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHUF	11:30:00 AM	11222						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHUF	1:30:00 PM	11223						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADHUF	3:30:00 PM	11224						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY	9:30:00 AM	11225						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY	11:30:00 AM	11226						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY	1:30:00 PM	11227						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY	3:30:00 PM	11228						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY.fx	9:30:00 AM	11229						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY.fx	11:30:00 AM	11230						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADJPY.fx	1:30:00 PM	11231						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	CADJPY.fx	3:30:00 PM	11232						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADMXN	9:30:00 AM	11233						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADMXN	11:30:00 AM	11234						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADMXN	1:30:00 PM	11235						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADMXN	3:30:00 PM	11236						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADNOK	9:30:00 AM	11237						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADNOK	11:30:00 AM	11238						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADNOK	1:30:00 PM	11239						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADNOK	3:30:00 PM	11240						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADPLN	9:30:00 AM	11241						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADPLN	11:30:00 AM	11242						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADPLN	1:30:00 PM	11243						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADPLN	3:30:00 PM	11244						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSEK	9:30:00 AM	11245						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSEK	11:30:00 AM	11246						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSEK	1:30:00 PM	11247						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSEK	3:30:00 PM	11248						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSGD	9:30:00 AM	11249						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSGD	11:30:00 AM	11250						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSGD	1:30:00 PM	11251						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADSGD	3:30:00 PM	11252						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADZAR	9:30:00 AM	11253						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADZAR	11:30:00 AM	11254						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADZAR	1:30:00 PM	11255						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CADZAR	3:30:00 PM	11256						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFCZK	9:30:00 AM	11257						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFCZK	11:30:00 AM	11258						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFCZK	1:30:00 PM	11259						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFCZK	3:30:00 PM	11260						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK	9:30:00 AM	11261						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK	11:30:00 AM	11262						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK	1:30:00 PM	11263						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK	3:30:00 PM	11264						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK.fx	9:30:00 AM	11265						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	CHFDKK.fx	11:30:00 AM	11266						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK.fx	1:30:00 PM	11267						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFDKK.fx	3:30:00 PM	11268						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHKD	9:30:00 AM	11269						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHKD	11:30:00 AM	11270						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHKD	1:30:00 PM	11271						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHKD	3:30:00 PM	11272						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHUF	9:30:00 AM	11273						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHUF	11:30:00 AM	11274						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHUF	1:30:00 PM	11275						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFHUF	3:30:00 PM	11276						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY	9:30:00 AM	11277						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY	11:30:00 AM	11278						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY	1:30:00 PM	11279						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY	3:30:00 PM	11280						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY.fx	9:30:00 AM	11281						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY.fx	11:30:00 AM	11282						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY.fx	1:30:00 PM	11283						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFJPY.fx	3:30:00 PM	11284						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFMXN	9:30:00 AM	11285						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFMXN	11:30:00 AM	11286						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFMXN	1:30:00 PM	11287						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFMXN	3:30:00 PM	11288						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK	9:30:00 AM	11289						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK	11:30:00 AM	11290						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK	1:30:00 PM	11291						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK	3:30:00 PM	11292						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK.fx	9:30:00 AM	11293						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK.fx	11:30:00 AM	11294						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK.fx	1:30:00 PM	11295						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFNOK.fx	3:30:00 PM	11296						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN	9:30:00 AM	11297						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN	11:30:00 AM	11298						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN	1:30:00 PM	11299						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	CHFPLN	3:30:00 PM	11300						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN.fx	9:30:00 AM	11301						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN.fx	11:30:00 AM	11302						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN.fx	1:30:00 PM	11303						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFPLN.fx	3:30:00 PM	11304						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSEK	9:30:00 AM	11305						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSEK	11:30:00 AM	11306						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSEK	1:30:00 PM	11307						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSEK	3:30:00 PM	11308						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD	9:30:00 AM	11309						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD	11:30:00 AM	11310						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD	1:30:00 PM	11311						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD	3:30:00 PM	11312						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD.fx	9:30:00 AM	11313						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD.fx	11:30:00 AM	11314						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD.fx	1:30:00 PM	11315						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFSGD.fx	3:30:00 PM	11316						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFZAR	9:30:00 AM	11317						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFZAR	11:30:00 AM	11318						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFZAR	1:30:00 PM	11319						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CHFZAR	3:30:00 PM	11320						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CZKJPY	9:30:00 AM	11321						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CZKJPY	11:30:00 AM	11322						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CZKJPY	1:30:00 PM	11323						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	CZKJPY	3:30:00 PM	11324						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DAX30.i	9:30:00 AM	11325						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DAX30.i	11:30:00 AM	11326						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DAX30.i	1:30:00 PM	11327						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DAX30.i	3:30:00 PM	11328						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DJ30.i	9:30:00 AM	11329						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DJ30.i	11:30:00 AM	11330						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DJ30.i	1:30:00 PM	11331						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DJ30.i	3:30:00 PM	11332						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DKKJPY	9:30:00 AM	11333						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	DKKJPY	11:30:00 AM	11334						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DKKJPY	1:30:00 PM	11335						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	DKKJPY	3:30:00 PM	11336						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD	9:30:00 AM	11337						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD	11:30:00 AM	11338						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD	1:30:00 PM	11339						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD	3:30:00 PM	11340						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD.fx	9:30:00 AM	11341						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD.fx	11:30:00 AM	11342						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD.fx	1:30:00 PM	11343						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURAUD.fx	3:30:00 PM	11344						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD	9:30:00 AM	11345						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD	11:30:00 AM	11346						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD	1:30:00 PM	11347						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD	3:30:00 PM	11348						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD.fx	9:30:00 AM	11349						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD.fx	11:30:00 AM	11350						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD.fx	1:30:00 PM	11351						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCAD.fx	3:30:00 PM	11352						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF	9:30:00 AM	11353						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF	11:30:00 AM	11354						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF	1:30:00 PM	11355						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF	3:30:00 PM	11356						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF.fx	9:30:00 AM	11357						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF.fx	11:30:00 AM	11358						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF.fx	1:30:00 PM	11359						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCHF.fx	3:30:00 PM	11360						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCZK	9:30:00 AM	11361						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCZK	11:30:00 AM	11362						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCZK	1:30:00 PM	11363						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURCZK	3:30:00 PM	11364						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURDKK	9:30:00 AM	11365						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURDKK	11:30:00 AM	11366						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURDKK	1:30:00 PM	11367						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	EURDKK	3:30:00 PM	11368						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP	9:30:00 AM	11369						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP	11:30:00 AM	11370						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP	1:30:00 PM	11371						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP	3:30:00 PM	11372						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP.fx	9:30:00 AM	11373						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP.fx	11:30:00 AM	11374						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP.fx	1:30:00 PM	11375						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURGBP.fx	3:30:00 PM	11376						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD	9:30:00 AM	11377						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD	11:30:00 AM	11378						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD	1:30:00 PM	11379						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD	3:30:00 PM	11380						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD.fx	9:30:00 AM	11381						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD.fx	11:30:00 AM	11382						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD.fx	1:30:00 PM	11383						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHKD.fx	3:30:00 PM	11384						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF	9:30:00 AM	11385						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF	11:30:00 AM	11386						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF	1:30:00 PM	11387						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF	3:30:00 PM	11388						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF.fx	9:30:00 AM	11389						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF.fx	11:30:00 AM	11390						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF.fx	1:30:00 PM	11391						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURHUF.fx	3:30:00 PM	11392						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY	9:30:00 AM	11393						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY	11:30:00 AM	11394						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY	1:30:00 PM	11395						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY	3:30:00 PM	11396						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY.fx	9:30:00 AM	11397						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY.fx	11:30:00 AM	11398						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY.fx	1:30:00 PM	11399						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURJPY.fx	3:30:00 PM	11400						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN	9:30:00 AM	11401						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	EURMXN	11:30:00 AM	11402						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN	1:30:00 PM	11403						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN	3:30:00 PM	11404						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN.fx	9:30:00 AM	11405						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN.fx	11:30:00 AM	11406						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN.fx	1:30:00 PM	11407						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURMXN.fx	3:30:00 PM	11408						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK	9:30:00 AM	11409						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK	11:30:00 AM	11410						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK	1:30:00 PM	11411						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK	3:30:00 PM	11412						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK.fx	9:30:00 AM	11413						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK.fx	11:30:00 AM	11414						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK.fx	1:30:00 PM	11415						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNOK.fx	3:30:00 PM	11416						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD	9:30:00 AM	11417						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD	11:30:00 AM	11418						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD	1:30:00 PM	11419						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD	3:30:00 PM	11420						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD.fx	9:30:00 AM	11421						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD.fx	11:30:00 AM	11422						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD.fx	1:30:00 PM	11423						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURNZD.fx	3:30:00 PM	11424						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN	9:30:00 AM	11425						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN	11:30:00 AM	11426						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN	1:30:00 PM	11427						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN	3:30:00 PM	11428						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN.fx	9:30:00 AM	11429						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN.fx	11:30:00 AM	11430						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN.fx	1:30:00 PM	11431						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURPLN.fx	3:30:00 PM	11432						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURRUB	9:30:00 AM	11433						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURRUB	11:30:00 AM	11434						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURRUB	1:30:00 PM	11435						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	EURRUB	3:30:00 PM	11436						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK	9:30:00 AM	11437						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK	11:30:00 AM	11438						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK	1:30:00 PM	11439						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK	3:30:00 PM	11440						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK.fx	9:30:00 AM	11441						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK.fx	11:30:00 AM	11442						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK.fx	1:30:00 PM	11443						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSEK.fx	3:30:00 PM	11444						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD	9:30:00 AM	11445						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD	11:30:00 AM	11446						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD	1:30:00 PM	11447						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD	3:30:00 PM	11448						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD.fx	9:30:00 AM	11449						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD.fx	11:30:00 AM	11450						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD.fx	1:30:00 PM	11451						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURSGD.fx	3:30:00 PM	11452						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD	9:30:00 AM	11453						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD	11:30:00 AM	11454						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD	1:30:00 PM	11455						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD	3:30:00 PM	11456						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD.fx	9:30:00 AM	11457						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD.fx	11:30:00 AM	11458						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD.fx	1:30:00 PM	11459						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURUSD.fx	3:30:00 PM	11460						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR	9:30:00 AM	11461						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR	11:30:00 AM	11462						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR	1:30:00 PM	11463						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR	3:30:00 PM	11464						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR.fx	9:30:00 AM	11465						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR.fx	11:30:00 AM	11466						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR.fx	1:30:00 PM	11467						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	EURZAR.fx	3:30:00 PM	11468						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD	9:30:00 AM	11469						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	GBPAUD	11:30:00 AM	11470						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD	1:30:00 PM	11471						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD	3:30:00 PM	11472						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD.fx	9:30:00 AM	11473						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD.fx	11:30:00 AM	11474						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD.fx	1:30:00 PM	11475						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPAUD.fx	3:30:00 PM	11476						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD	9:30:00 AM	11477						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD	11:30:00 AM	11478						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD	1:30:00 PM	11479						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD	3:30:00 PM	11480						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD.fx	9:30:00 AM	11481						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD.fx	11:30:00 AM	11482						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD.fx	1:30:00 PM	11483						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCAD.fx	3:30:00 PM	11484						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF	9:30:00 AM	11485						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF	11:30:00 AM	11486						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF	1:30:00 PM	11487						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF	3:30:00 PM	11488						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF.fx	9:30:00 AM	11489						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF.fx	11:30:00 AM	11490						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF.fx	1:30:00 PM	11491						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCHF.fx	3:30:00 PM	11492						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCZK	9:30:00 AM	11493						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCZK	11:30:00 AM	11494						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCZK	1:30:00 PM	11495						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPCZK	3:30:00 PM	11496						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK	9:30:00 AM	11497						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK	11:30:00 AM	11498						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK	1:30:00 PM	11499						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK	3:30:00 PM	11500						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK.fx	9:30:00 AM	11501						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK.fx	11:30:00 AM	11502						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPDKK.fx	1:30:00 PM	11503						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	GBPDKK.fx	3:30:00 PM	11504						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHKD	9:30:00 AM	11505						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHKD	11:30:00 AM	11506						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHKD	1:30:00 PM	11507						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHKD	3:30:00 PM	11508						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHUF	9:30:00 AM	11509						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHUF	11:30:00 AM	11510						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHUF	1:30:00 PM	11511						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPHUF	3:30:00 PM	11512						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY	9:30:00 AM	11513						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY	11:30:00 AM	11514						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY	1:30:00 PM	11515						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY	3:30:00 PM	11516						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY.fx	9:30:00 AM	11517						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY.fx	11:30:00 AM	11518						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY.fx	1:30:00 PM	11519						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPJPY.fx	3:30:00 PM	11520						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPMXN	9:30:00 AM	11521						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPMXN	11:30:00 AM	11522						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPMXN	1:30:00 PM	11523						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPMXN	3:30:00 PM	11524						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK	9:30:00 AM	11525						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK	11:30:00 AM	11526						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK	1:30:00 PM	11527						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK	3:30:00 PM	11528						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK.fx	9:30:00 AM	11529						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK.fx	11:30:00 AM	11530						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK.fx	1:30:00 PM	11531						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNOK.fx	3:30:00 PM	11532						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD	9:30:00 AM	11533						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD	11:30:00 AM	11534						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD	1:30:00 PM	11535						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD	3:30:00 PM	11536						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD.fx	9:30:00 AM	11537						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	GBPNZD.fx	11:30:00 AM	11538						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD.fx	1:30:00 PM	11539						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPNZD.fx	3:30:00 PM	11540						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN	9:30:00 AM	11541						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN	11:30:00 AM	11542						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN	1:30:00 PM	11543						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN	3:30:00 PM	11544						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN.fx	9:30:00 AM	11545						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN.fx	11:30:00 AM	11546						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN.fx	1:30:00 PM	11547						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPPLN.fx	3:30:00 PM	11548						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK	9:30:00 AM	11549						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK	11:30:00 AM	11550						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK	1:30:00 PM	11551						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK	3:30:00 PM	11552						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK.fx	9:30:00 AM	11553						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK.fx	11:30:00 AM	11554						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK.fx	1:30:00 PM	11555						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSEK.fx	3:30:00 PM	11556						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD	9:30:00 AM	11557						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD	11:30:00 AM	11558						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD	1:30:00 PM	11559						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD	3:30:00 PM	11560						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD.fx	9:30:00 AM	11561						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD.fx	11:30:00 AM	11562						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD.fx	1:30:00 PM	11563						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPSGD.fx	3:30:00 PM	11564						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD	9:30:00 AM	11565						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD	11:30:00 AM	11566						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD	1:30:00 PM	11567						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD	3:30:00 PM	11568						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD.fx	9:30:00 AM	11569						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD.fx	11:30:00 AM	11570						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPUSD.fx	1:30:00 PM	11571						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	GBPUSD.fx	3:30:00 PM	11572						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR	9:30:00 AM	11573						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR	11:30:00 AM	11574						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR	1:30:00 PM	11575						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR	3:30:00 PM	11576						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR.fx	9:30:00 AM	11577						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR.fx	11:30:00 AM	11578						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR.fx	1:30:00 PM	11579						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GBPZAR.fx	3:30:00 PM	11580						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GOLD	9:30:00 AM	11581						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GOLD	11:30:00 AM	11582						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GOLD	1:30:00 PM	11583						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	GOLD	3:30:00 PM	11584						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY	9:30:00 AM	11585						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY	11:30:00 AM	11586						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY	1:30:00 PM	11587						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY	3:30:00 PM	11588						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY.fx	9:30:00 AM	11589						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY.fx	11:30:00 AM	11590						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY.fx	1:30:00 PM	11591						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HKDJPY.fx	3:30:00 PM	11592						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HUFJPY	9:30:00 AM	11593						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HUFJPY	11:30:00 AM	11594						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HUFJPY	1:30:00 PM	11595						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	HUFJPY	3:30:00 PM	11596						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JP225.i	9:30:00 AM	11597						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JP225.i	11:30:00 AM	11598						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JP225.i	1:30:00 PM	11599						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JP225.i	3:30:00 PM	11600						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	MXNJPY	9:30:00 AM	11601						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	MXNJPY	11:30:00 AM	11602						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	MXNJPY	1:30:00 PM	11603						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	MXNJPY	3:30:00 PM	11604						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NASDAQ.i	9:30:00 AM	11605						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	NASDAQ.i	11:30:00 AM	11606						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NASDAQ.i	1:30:00 PM	11607						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NASDAQ.i	3:30:00 PM	11608						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY	9:30:00 AM	11609						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY	11:30:00 AM	11610						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY	1:30:00 PM	11611						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY	3:30:00 PM	11612						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY.fx	9:30:00 AM	11613						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY.fx	11:30:00 AM	11614						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY.fx	1:30:00 PM	11615						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NOKJPY.fx	3:30:00 PM	11616						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD	9:30:00 AM	11617						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD	11:30:00 AM	11618						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD	1:30:00 PM	11619						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD	3:30:00 PM	11620						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD.fx	9:30:00 AM	11621						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD.fx	11:30:00 AM	11622						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD.fx	1:30:00 PM	11623						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCAD.fx	3:30:00 PM	11624						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF	9:30:00 AM	11625						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF	11:30:00 AM	11626						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF	1:30:00 PM	11627						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF	3:30:00 PM	11628						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF.fx	9:30:00 AM	11629						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF.fx	11:30:00 AM	11630						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF.fx	1:30:00 PM	11631						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCHF.fx	3:30:00 PM	11632						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCZK	9:30:00 AM	11633						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCZK	11:30:00 AM	11634						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCZK	1:30:00 PM	11635						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDCZK	3:30:00 PM	11636						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDDKK	9:30:00 AM	11637						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDDKK	11:30:00 AM	11638						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDDKK	1:30:00 PM	11639						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	NZDDKK	3:30:00 PM	11640						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHKD	9:30:00 AM	11641						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHKD	11:30:00 AM	11642						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHKD	1:30:00 PM	11643						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHKD	3:30:00 PM	11644						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHUF	9:30:00 AM	11645						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHUF	11:30:00 AM	11646						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHUF	1:30:00 PM	11647						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDHUF	3:30:00 PM	11648						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY	9:30:00 AM	11649						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY	11:30:00 AM	11650						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY	1:30:00 PM	11651						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY	3:30:00 PM	11652						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY.fx	9:30:00 AM	11653						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY.fx	11:30:00 AM	11654						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY.fx	1:30:00 PM	11655						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDJPY.fx	3:30:00 PM	11656						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDMXN	9:30:00 AM	11657						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDMXN	11:30:00 AM	11658						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDMXN	1:30:00 PM	11659						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDMXN	3:30:00 PM	11660						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDNOK	9:30:00 AM	11661						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDNOK	11:30:00 AM	11662						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDNOK	1:30:00 PM	11663						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDNOK	3:30:00 PM	11664						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDPLN	9:30:00 AM	11665						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDPLN	11:30:00 AM	11666						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDPLN	1:30:00 PM	11667						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDPLN	3:30:00 PM	11668						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSEK	9:30:00 AM	11669						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSEK	11:30:00 AM	11670						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSEK	1:30:00 PM	11671						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSEK	3:30:00 PM	11672						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD	9:30:00 AM	11673						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	NZDSGD	11:30:00 AM	11674						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD	1:30:00 PM	11675						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD	3:30:00 PM	11676						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD.fx	9:30:00 AM	11677						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD.fx	11:30:00 AM	11678						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD.fx	1:30:00 PM	11679						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDSGD.fx	3:30:00 PM	11680						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD	9:30:00 AM	11681						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD	11:30:00 AM	11682						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD	1:30:00 PM	11683						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD	3:30:00 PM	11684						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD.fx	9:30:00 AM	11685						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD.fx	11:30:00 AM	11686						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD.fx	1:30:00 PM	11687						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDUSD.fx	3:30:00 PM	11688						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDZAR	9:30:00 AM	11689						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDZAR	11:30:00 AM	11690						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDZAR	1:30:00 PM	11691						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	NZDZAR	3:30:00 PM	11692						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY	9:30:00 AM	11693						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY	11:30:00 AM	11694						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY	1:30:00 PM	11695						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY	3:30:00 PM	11696						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY.fx	9:30:00 AM	11697						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY.fx	11:30:00 AM	11698						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY.fx	1:30:00 PM	11699						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SEKJPY.fx	3:30:00 PM	11700						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SGDJPY	9:30:00 AM	11701						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SGDJPY	11:30:00 AM	11702						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SGDJPY	1:30:00 PM	11703						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SGDJPY	3:30:00 PM	11704						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SILVER	9:30:00 AM	11705						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SILVER	11:30:00 AM	11706						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SILVER	1:30:00 PM	11707						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	SILVER	3:30:00 PM	11708						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SPX500.i	9:30:00 AM	11709						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SPX500.i	11:30:00 AM	11710						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SPX500.i	1:30:00 PM	11711						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	SPX500.i	3:30:00 PM	11712						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	UK100.i	9:30:00 AM	11713						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	UK100.i	11:30:00 AM	11714						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	UK100.i	1:30:00 PM	11715						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	UK100.i	3:30:00 PM	11716						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD	9:30:00 AM	11717						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD	11:30:00 AM	11718						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD	1:30:00 PM	11719						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD	3:30:00 PM	11720						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD.fx	9:30:00 AM	11721						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD.fx	11:30:00 AM	11722						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD.fx	1:30:00 PM	11723						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCAD.fx	3:30:00 PM	11724						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF	9:30:00 AM	11725						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF	11:30:00 AM	11726						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF	1:30:00 PM	11727						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF	3:30:00 PM	11728						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF.fx	9:30:00 AM	11729						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF.fx	11:30:00 AM	11730						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF.fx	1:30:00 PM	11731						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCHF.fx	3:30:00 PM	11732						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK	9:30:00 AM	11733						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK	11:30:00 AM	11734						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK	1:30:00 PM	11735						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK	3:30:00 PM	11736						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK.fx	9:30:00 AM	11737						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK.fx	11:30:00 AM	11738						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK.fx	1:30:00 PM	11739						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDCZK.fx	3:30:00 PM	11740						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK	9:30:00 AM	11741						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	USDDKK	11:30:00 AM	11742						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK	1:30:00 PM	11743						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK	3:30:00 PM	11744						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK.fx	9:30:00 AM	11745						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK.fx	11:30:00 AM	11746						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK.fx	1:30:00 PM	11747						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDDKK.fx	3:30:00 PM	11748						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD	9:30:00 AM	11749						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD	11:30:00 AM	11750						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD	1:30:00 PM	11751						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD	3:30:00 PM	11752						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD.fx	9:30:00 AM	11753						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD.fx	11:30:00 AM	11754						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD.fx	1:30:00 PM	11755						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHKD.fx	3:30:00 PM	11756						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF	9:30:00 AM	11757						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF	11:30:00 AM	11758						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF	1:30:00 PM	11759						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF	3:30:00 PM	11760						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF.fx	9:30:00 AM	11761						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF.fx	11:30:00 AM	11762						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF.fx	1:30:00 PM	11763						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDHUF.fx	3:30:00 PM	11764						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDINR	9:30:00 AM	11765						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDINR	11:30:00 AM	11766						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDINR	1:30:00 PM	11767						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDINR	3:30:00 PM	11768						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY	9:30:00 AM	11769						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY	11:30:00 AM	11770						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY	1:30:00 PM	11771						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY	3:30:00 PM	11772						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY.fx	9:30:00 AM	11773						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY.fx	11:30:00 AM	11774						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDJPY.fx	1:30:00 PM	11775						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	USDJPY.fx	3:30:00 PM	11776						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDMXN	9:30:00 AM	11777						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDMXN	11:30:00 AM	11778						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDMXN	1:30:00 PM	11779						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDMXN	3:30:00 PM	11780						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JSDMXN.fx	9:30:00 AM	11781						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JSDMXN.fx	11:30:00 AM	11782						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JSDMXN.fx	1:30:00 PM	11783						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	JSDMXN.fx	3:30:00 PM	11784						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK	9:30:00 AM	11785						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK	11:30:00 AM	11786						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK	1:30:00 PM	11787						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK	3:30:00 PM	11788						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK.fx	9:30:00 AM	11789						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK.fx	11:30:00 AM	11790						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK.fx	1:30:00 PM	11791						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDNOK.fx	3:30:00 PM	11792						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN	9:30:00 AM	11793						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN	11:30:00 AM	11794						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN	1:30:00 PM	11795						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN	3:30:00 PM	11796						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN.fx	9:30:00 AM	11797						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN.fx	11:30:00 AM	11798						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN.fx	1:30:00 PM	11799						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDPLN.fx	3:30:00 PM	11800						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDRUB	9:30:00 AM	11801						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDRUB	11:30:00 AM	11802						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDRUB	1:30:00 PM	11803						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDRUB	3:30:00 PM	11804						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK	9:30:00 AM	11805						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK	11:30:00 AM	11806						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK	1:30:00 PM	11807						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK	3:30:00 PM	11808						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK.fx	9:30:00 AM	11809						Continuous Quote	N/A	ELECTRONIC	N/A

10/10/2019	USDSEK.fx	11:30:00 AM	11810						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK.fx	1:30:00 PM	11811						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSEK.fx	3:30:00 PM	11812						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD	9:30:00 AM	11813						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD	11:30:00 AM	11814						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD	1:30:00 PM	11815						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD	3:30:00 PM	11816						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD.fx	9:30:00 AM	11817						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD.fx	11:30:00 AM	11818						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD.fx	1:30:00 PM	11819						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDSGD.fx	3:30:00 PM	11820						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR	9:30:00 AM	11821						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR	11:30:00 AM	11822						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR	1:30:00 PM	11823						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR	3:30:00 PM	11824						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR.fx	9:30:00 AM	11825						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR.fx	11:30:00 AM	11826						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR.fx	1:30:00 PM	11827						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	USDZAR.fx	3:30:00 PM	11828						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	XAUUSD	9:30:00 AM	11829						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	XAUUSD	11:30:00 AM	11830						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	XAUUSD	1:30:00 PM	11831						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	XAUUSD	3:30:00 PM	11832						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY	9:30:00 AM	11833						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY	11:30:00 AM	11834						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY	1:30:00 PM	11835						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY	3:30:00 PM	11836						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY.fx	9:30:00 AM	11837						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY.fx	11:30:00 AM	11838						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY.fx	1:30:00 PM	11839						Continuous Quote	N/A	ELECTRONIC	N/A
10/10/2019	ZARJPY.fx	3:30:00 PM	11840						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AA	9:30:00 AM	11841						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AA	11:30:00 AM	11842						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AA	1:30:00 PM	11843						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	#AA	3:30:00 PM	11844						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AABA	9:30:00 AM	11845						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AABA	11:30:00 AM	11846						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AABA	1:30:00 PM	11847						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AABA	3:30:00 PM	11848						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAL	9:30:00 AM	11849						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAL	11:30:00 AM	11850						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAL	1:30:00 PM	11851						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAL	3:30:00 PM	11852						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAPL	9:30:00 AM	11853						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAPL	11:30:00 AM	11854						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAPL	1:30:00 PM	11855						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AAPL	3:30:00 PM	11856						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#ADBE	9:30:00 AM	11857						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#ADBE	11:30:00 AM	11858						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#ADBE	1:30:00 PM	11859						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#ADBE	3:30:00 PM	11860						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AIG	9:30:00 AM	11861						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AIG	11:30:00 AM	11862						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AIG	1:30:00 PM	11863						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AIG	3:30:00 PM	11864						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMD	9:30:00 AM	11865						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMD	11:30:00 AM	11866						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMD	1:30:00 PM	11867						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMD	3:30:00 PM	11868						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMZN	9:30:00 AM	11869						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMZN	11:30:00 AM	11870						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMZN	1:30:00 PM	11871						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AMZN	3:30:00 PM	11872						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AXP	9:30:00 AM	11873						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AXP	11:30:00 AM	11874						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AXP	1:30:00 PM	11875						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#AXP	3:30:00 PM	11876						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BA	9:30:00 AM	11877						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	#BA	11:30:00 AM	11878						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BA	1:30:00 PM	11879						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BA	3:30:00 PM	11880						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BABA	9:30:00 AM	11881						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BABA	11:30:00 AM	11882						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BABA	1:30:00 PM	11883						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BABA	3:30:00 PM	11884						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BAC	9:30:00 AM	11885						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BAC	11:30:00 AM	11886						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BAC	1:30:00 PM	11887						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BAC	3:30:00 PM	11888						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BARC	9:30:00 AM	11889						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BARC	11:30:00 AM	11890						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BARC	1:30:00 PM	11891						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BARC	3:30:00 PM	11892						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BHP	9:30:00 AM	11893						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BHP	11:30:00 AM	11894						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BHP	1:30:00 PM	11895						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BHP	3:30:00 PM	11896						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BIDU	9:30:00 AM	11897						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BIDU	11:30:00 AM	11898						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BIDU	1:30:00 PM	11899						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BIDU	3:30:00 PM	11900						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#Bitcoin	9:30:00 AM	11901						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#Bitcoin	11:30:00 AM	11902						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#Bitcoin	1:30:00 PM	11903						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#Bitcoin	3:30:00 PM	11904						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BK	9:30:00 AM	11905						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BK	11:30:00 AM	11906						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BK	1:30:00 PM	11907						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BK	3:30:00 PM	11908						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BLT	9:30:00 AM	11909						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BLT	11:30:00 AM	11910						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BLT	1:30:00 PM	11911						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	#BLT	3:30:00 PM	11912						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BP	9:30:00 AM	11913						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BP	11:30:00 AM	11914						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BP	1:30:00 PM	11915						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BP	3:30:00 PM	11916						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BTA	9:30:00 AM	11917						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BTA	11:30:00 AM	11918						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BTA	1:30:00 PM	11919						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#BTA	3:30:00 PM	11920						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#C	9:30:00 AM	11921						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#C	11:30:00 AM	11922						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#C	1:30:00 PM	11923						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#C	3:30:00 PM	11924						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#CHL	3:30:00 PM	11932						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#CL.f	11:30:00 AM	11934						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#CL.f	1:30:00 PM	11935						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#CL.f	3:30:00 PM	11936						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#CMCSA	9:30:00 AM	11937						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#CMCSA	3:30:00 PM	11940						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#CSCO	11:30:00 AM	11942						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#CSCO	3:30:00 PM	11944						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	#CVX	9:30:00 AM	11945						Continuous Quote	N/A	ELECTRONIC	N/A

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10/11/2019	#DIS	11:30:00 AM	11954						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#FB	3:30:00 PM	11976						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#GILD	3:30:00 PM	12000						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#GOOG	3:30:00 PM	12004						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#HON	3:30:00 PM	12024						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	#NG.f	9:30:00 AM	12133						Continuous Quote	N/A	ELECTRONIC	N/A
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10/11/2019	AUDJPY.fx	1:30:00 PM	12323						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDJPY.fx	3:30:00 PM	12324						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDMXN	9:30:00 AM	12325						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDMXN	11:30:00 AM	12326						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDMXN	1:30:00 PM	12327						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDMXN	3:30:00 PM	12328						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK	9:30:00 AM	12329						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK	11:30:00 AM	12330						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK	1:30:00 PM	12331						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK	3:30:00 PM	12332						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK.fx	9:30:00 AM	12333						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK.fx	11:30:00 AM	12334						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK.fx	1:30:00 PM	12335						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNOK.fx	3:30:00 PM	12336						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD	9:30:00 AM	12337						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD	11:30:00 AM	12338						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD	1:30:00 PM	12339						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD	3:30:00 PM	12340						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD.fx	9:30:00 AM	12341						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD.fx	11:30:00 AM	12342						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD.fx	1:30:00 PM	12343						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDNZD.fx	3:30:00 PM	12344						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDPLN	9:30:00 AM	12345						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDPLN	11:30:00 AM	12346						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDPLN	1:30:00 PM	12347						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDPLN	3:30:00 PM	12348						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK	9:30:00 AM	12349						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK	11:30:00 AM	12350						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK	1:30:00 PM	12351						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK	3:30:00 PM	12352						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK.fx	9:30:00 AM	12353						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	AUDSEK.fx	11:30:00 AM	12354						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK.fx	1:30:00 PM	12355						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSEK.fx	3:30:00 PM	12356						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD	9:30:00 AM	12357						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD	11:30:00 AM	12358						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD	1:30:00 PM	12359						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD	3:30:00 PM	12360						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD.fx	9:30:00 AM	12361						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD.fx	11:30:00 AM	12362						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD.fx	1:30:00 PM	12363						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDSGD.fx	3:30:00 PM	12364						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD	9:30:00 AM	12365						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD	11:30:00 AM	12366						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD	1:30:00 PM	12367						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD	3:30:00 PM	12368						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD.fx	9:30:00 AM	12369						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD.fx	11:30:00 AM	12370						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD.fx	1:30:00 PM	12371						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDUSD.fx	3:30:00 PM	12372						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDZAR	9:30:00 AM	12373						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDZAR	11:30:00 AM	12374						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDZAR	1:30:00 PM	12375						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUDZAR	3:30:00 PM	12376						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUS200.i	9:30:00 AM	12377						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUS200.i	11:30:00 AM	12378						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUS200.i	1:30:00 PM	12379						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	AUS200.i	3:30:00 PM	12380						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	BCHUSD	9:30:00 AM	12381						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	BCHUSD	11:30:00 AM	12382						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	BCHUSD	1:30:00 PM	12383						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	BCHUSD	3:30:00 PM	12384						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF	9:30:00 AM	12385						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF	11:30:00 AM	12386						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF	1:30:00 PM	12387						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	CADCHF	3:30:00 PM	12388						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF.fx	9:30:00 AM	12389						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF.fx	11:30:00 AM	12390						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF.fx	1:30:00 PM	12391						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCHF.fx	3:30:00 PM	12392						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCZK	9:30:00 AM	12393						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCZK	11:30:00 AM	12394						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCZK	1:30:00 PM	12395						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADCZK	3:30:00 PM	12396						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADDDKK	9:30:00 AM	12397						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADDDKK	11:30:00 AM	12398						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADDDKK	1:30:00 PM	12399						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADDDKK	3:30:00 PM	12400						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHKD	9:30:00 AM	12401						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHKD	11:30:00 AM	12402						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHKD	1:30:00 PM	12403						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHKD	3:30:00 PM	12404						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHUF	9:30:00 AM	12405						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHUF	11:30:00 AM	12406						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHUF	1:30:00 PM	12407						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADHUF	3:30:00 PM	12408						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY	9:30:00 AM	12409						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY	11:30:00 AM	12410						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY	1:30:00 PM	12411						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY	3:30:00 PM	12412						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY.fx	9:30:00 AM	12413						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY.fx	11:30:00 AM	12414						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY.fx	1:30:00 PM	12415						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADJPY.fx	3:30:00 PM	12416						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADMXN	9:30:00 AM	12417						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADMXN	11:30:00 AM	12418						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADMXN	1:30:00 PM	12419						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADMXN	3:30:00 PM	12420						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADNOK	9:30:00 AM	12421						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	CADNOK	11:30:00 AM	12422						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADNOK	1:30:00 PM	12423						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADNOK	3:30:00 PM	12424						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADPLN	9:30:00 AM	12425						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADPLN	11:30:00 AM	12426						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADPLN	1:30:00 PM	12427						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADPLN	3:30:00 PM	12428						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSEK	9:30:00 AM	12429						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSEK	11:30:00 AM	12430						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSEK	1:30:00 PM	12431						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSEK	3:30:00 PM	12432						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSGD	9:30:00 AM	12433						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSGD	11:30:00 AM	12434						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSGD	1:30:00 PM	12435						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADSGD	3:30:00 PM	12436						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADZAR	9:30:00 AM	12437						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADZAR	11:30:00 AM	12438						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADZAR	1:30:00 PM	12439						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CADZAR	3:30:00 PM	12440						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFCZK	9:30:00 AM	12441						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFCZK	11:30:00 AM	12442						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFCZK	1:30:00 PM	12443						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFCZK	3:30:00 PM	12444						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK	9:30:00 AM	12445						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK	11:30:00 AM	12446						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK	1:30:00 PM	12447						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK	3:30:00 PM	12448						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK.fx	9:30:00 AM	12449						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK.fx	11:30:00 AM	12450						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK.fx	1:30:00 PM	12451						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFDKK.fx	3:30:00 PM	12452						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHKD	9:30:00 AM	12453						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHKD	11:30:00 AM	12454						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHKD	1:30:00 PM	12455						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	CHFHKD	3:30:00 PM	12456						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHUF	9:30:00 AM	12457						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHUF	11:30:00 AM	12458						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHUF	1:30:00 PM	12459						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFHUF	3:30:00 PM	12460						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY	9:30:00 AM	12461						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY	11:30:00 AM	12462						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY	1:30:00 PM	12463						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY	3:30:00 PM	12464						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY.fx	9:30:00 AM	12465						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY.fx	11:30:00 AM	12466						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY.fx	1:30:00 PM	12467						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFJPY.fx	3:30:00 PM	12468						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFMXN	9:30:00 AM	12469						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFMXN	11:30:00 AM	12470						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFMXN	1:30:00 PM	12471						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFMXN	3:30:00 PM	12472						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK	9:30:00 AM	12473						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK	11:30:00 AM	12474						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK	1:30:00 PM	12475						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK	3:30:00 PM	12476						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK.fx	9:30:00 AM	12477						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK.fx	11:30:00 AM	12478						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK.fx	1:30:00 PM	12479						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFNOK.fx	3:30:00 PM	12480						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN	9:30:00 AM	12481						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN	11:30:00 AM	12482						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN	1:30:00 PM	12483						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN	3:30:00 PM	12484						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN.fx	9:30:00 AM	12485						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN.fx	11:30:00 AM	12486						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN.fx	1:30:00 PM	12487						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFPLN.fx	3:30:00 PM	12488						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSEK	9:30:00 AM	12489						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	CHFSEK	11:30:00 AM	12490						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSEK	1:30:00 PM	12491						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSEK	3:30:00 PM	12492						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD	9:30:00 AM	12493						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD	11:30:00 AM	12494						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD	1:30:00 PM	12495						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD	3:30:00 PM	12496						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD.fx	9:30:00 AM	12497						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD.fx	11:30:00 AM	12498						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD.fx	1:30:00 PM	12499						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFSGD.fx	3:30:00 PM	12500						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFZAR	9:30:00 AM	12501						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFZAR	11:30:00 AM	12502						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFZAR	1:30:00 PM	12503						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CHFZAR	3:30:00 PM	12504						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CZKJPY	9:30:00 AM	12505						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CZKJPY	11:30:00 AM	12506						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CZKJPY	1:30:00 PM	12507						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	CZKJPY	3:30:00 PM	12508						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DAX30.i	9:30:00 AM	12509						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DAX30.i	11:30:00 AM	12510						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DAX30.i	1:30:00 PM	12511						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DAX30.i	3:30:00 PM	12512						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DJ30.i	9:30:00 AM	12513						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DJ30.i	11:30:00 AM	12514						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DJ30.i	1:30:00 PM	12515						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DJ30.i	3:30:00 PM	12516						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DKKJPY	9:30:00 AM	12517						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DKKJPY	11:30:00 AM	12518						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DKKJPY	1:30:00 PM	12519						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	DKKJPY	3:30:00 PM	12520						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD	9:30:00 AM	12521						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD	11:30:00 AM	12522						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD	1:30:00 PM	12523						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	EURAUD	3:30:00 PM	12524						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD.fx	9:30:00 AM	12525						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD.fx	11:30:00 AM	12526						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD.fx	1:30:00 PM	12527						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURAUD.fx	3:30:00 PM	12528						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD	9:30:00 AM	12529						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD	11:30:00 AM	12530						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD	1:30:00 PM	12531						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD	3:30:00 PM	12532						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD.fx	9:30:00 AM	12533						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD.fx	11:30:00 AM	12534						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD.fx	1:30:00 PM	12535						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCAD.fx	3:30:00 PM	12536						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF	9:30:00 AM	12537						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF	11:30:00 AM	12538						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF	1:30:00 PM	12539						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF	3:30:00 PM	12540						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF.fx	9:30:00 AM	12541						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF.fx	11:30:00 AM	12542						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF.fx	1:30:00 PM	12543						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCHF.fx	3:30:00 PM	12544						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCZK	9:30:00 AM	12545						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCZK	11:30:00 AM	12546						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCZK	1:30:00 PM	12547						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURCZK	3:30:00 PM	12548						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURDKK	9:30:00 AM	12549						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURDKK	11:30:00 AM	12550						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURDKK	1:30:00 PM	12551						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURDKK	3:30:00 PM	12552						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP	9:30:00 AM	12553						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP	11:30:00 AM	12554						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP	1:30:00 PM	12555						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP	3:30:00 PM	12556						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP.fx	9:30:00 AM	12557						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	EURGBP.fx	11:30:00 AM	12558						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP.fx	1:30:00 PM	12559						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURGBP.fx	3:30:00 PM	12560						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD	9:30:00 AM	12561						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD	11:30:00 AM	12562						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD	1:30:00 PM	12563						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD	3:30:00 PM	12564						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD.fx	9:30:00 AM	12565						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD.fx	11:30:00 AM	12566						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD.fx	1:30:00 PM	12567						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHKD.fx	3:30:00 PM	12568						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF	9:30:00 AM	12569						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF	11:30:00 AM	12570						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF	1:30:00 PM	12571						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF	3:30:00 PM	12572						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF.fx	9:30:00 AM	12573						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF.fx	11:30:00 AM	12574						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF.fx	1:30:00 PM	12575						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURHUF.fx	3:30:00 PM	12576						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY	9:30:00 AM	12577						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY	11:30:00 AM	12578						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY	1:30:00 PM	12579						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY	3:30:00 PM	12580						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY.fx	9:30:00 AM	12581						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY.fx	11:30:00 AM	12582						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY.fx	1:30:00 PM	12583						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURJPY.fx	3:30:00 PM	12584						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN	9:30:00 AM	12585						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN	11:30:00 AM	12586						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN	1:30:00 PM	12587						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN	3:30:00 PM	12588						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN.fx	9:30:00 AM	12589						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN.fx	11:30:00 AM	12590						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURMXN.fx	1:30:00 PM	12591						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	EURMXN.fx	3:30:00 PM	12592						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK	9:30:00 AM	12593						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK	11:30:00 AM	12594						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK	1:30:00 PM	12595						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK	3:30:00 PM	12596						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK.fx	9:30:00 AM	12597						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK.fx	11:30:00 AM	12598						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK.fx	1:30:00 PM	12599						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNOK.fx	3:30:00 PM	12600						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD	9:30:00 AM	12601						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD	11:30:00 AM	12602						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD	1:30:00 PM	12603						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD	3:30:00 PM	12604						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD.fx	9:30:00 AM	12605						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD.fx	11:30:00 AM	12606						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD.fx	1:30:00 PM	12607						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURNZD.fx	3:30:00 PM	12608						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN	9:30:00 AM	12609						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN	11:30:00 AM	12610						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN	1:30:00 PM	12611						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN	3:30:00 PM	12612						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN.fx	9:30:00 AM	12613						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN.fx	11:30:00 AM	12614						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN.fx	1:30:00 PM	12615						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURPLN.fx	3:30:00 PM	12616						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURRUB	9:30:00 AM	12617						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURRUB	11:30:00 AM	12618						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURRUB	1:30:00 PM	12619						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURRUB	3:30:00 PM	12620						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK	9:30:00 AM	12621						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK	11:30:00 AM	12622						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK	1:30:00 PM	12623						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK	3:30:00 PM	12624						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK.fx	9:30:00 AM	12625						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	EURSEK.fx	11:30:00 AM	12626						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK.fx	1:30:00 PM	12627						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSEK.fx	3:30:00 PM	12628						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD	9:30:00 AM	12629						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD	11:30:00 AM	12630						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD	1:30:00 PM	12631						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD	3:30:00 PM	12632						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD.fx	9:30:00 AM	12633						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD.fx	11:30:00 AM	12634						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD.fx	1:30:00 PM	12635						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURSGD.fx	3:30:00 PM	12636						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD	9:30:00 AM	12637						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD	11:30:00 AM	12638						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD	1:30:00 PM	12639						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD	3:30:00 PM	12640						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD.fx	9:30:00 AM	12641						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD.fx	11:30:00 AM	12642						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD.fx	1:30:00 PM	12643						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURUSD.fx	3:30:00 PM	12644						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR	9:30:00 AM	12645						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR	11:30:00 AM	12646						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR	1:30:00 PM	12647						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR	3:30:00 PM	12648						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR.fx	9:30:00 AM	12649						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR.fx	11:30:00 AM	12650						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR.fx	1:30:00 PM	12651						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	EURZAR.fx	3:30:00 PM	12652						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD	9:30:00 AM	12653						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD	11:30:00 AM	12654						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD	1:30:00 PM	12655						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD	3:30:00 PM	12656						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD.fx	9:30:00 AM	12657						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD.fx	11:30:00 AM	12658						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPAUD.fx	1:30:00 PM	12659						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	GBPAUD.fx	3:30:00 PM	12660						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD	9:30:00 AM	12661						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD	11:30:00 AM	12662						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD	1:30:00 PM	12663						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD	3:30:00 PM	12664						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD.fx	9:30:00 AM	12665						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD.fx	11:30:00 AM	12666						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD.fx	1:30:00 PM	12667						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCAD.fx	3:30:00 PM	12668						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF	9:30:00 AM	12669						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF	11:30:00 AM	12670						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF	1:30:00 PM	12671						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF	3:30:00 PM	12672						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF.fx	9:30:00 AM	12673						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF.fx	11:30:00 AM	12674						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF.fx	1:30:00 PM	12675						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCHF.fx	3:30:00 PM	12676						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCZK	9:30:00 AM	12677						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCZK	11:30:00 AM	12678						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCZK	1:30:00 PM	12679						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPCZK	3:30:00 PM	12680						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK	9:30:00 AM	12681						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK	11:30:00 AM	12682						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK	1:30:00 PM	12683						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK	3:30:00 PM	12684						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK.fx	9:30:00 AM	12685						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK.fx	11:30:00 AM	12686						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK.fx	1:30:00 PM	12687						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPDKK.fx	3:30:00 PM	12688						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHKD	9:30:00 AM	12689						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHKD	11:30:00 AM	12690						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHKD	1:30:00 PM	12691						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHKD	3:30:00 PM	12692						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHUF	9:30:00 AM	12693						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	GBPHUF	11:30:00 AM	12694						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHUF	1:30:00 PM	12695						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPHUF	3:30:00 PM	12696						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY	9:30:00 AM	12697						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY	11:30:00 AM	12698						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY	1:30:00 PM	12699						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY	3:30:00 PM	12700						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY.fx	9:30:00 AM	12701						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY.fx	11:30:00 AM	12702						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY.fx	1:30:00 PM	12703						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPJPY.fx	3:30:00 PM	12704						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPMXN	9:30:00 AM	12705						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPMXN	11:30:00 AM	12706						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPMXN	1:30:00 PM	12707						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPMXN	3:30:00 PM	12708						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK	9:30:00 AM	12709						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK	11:30:00 AM	12710						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK	1:30:00 PM	12711						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK	3:30:00 PM	12712						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK.fx	9:30:00 AM	12713						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK.fx	11:30:00 AM	12714						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK.fx	1:30:00 PM	12715						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNOK.fx	3:30:00 PM	12716						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD	9:30:00 AM	12717						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD	11:30:00 AM	12718						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD	1:30:00 PM	12719						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD	3:30:00 PM	12720						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD.fx	9:30:00 AM	12721						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD.fx	11:30:00 AM	12722						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD.fx	1:30:00 PM	12723						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPNZD.fx	3:30:00 PM	12724						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN	9:30:00 AM	12725						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN	11:30:00 AM	12726						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN	1:30:00 PM	12727						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	GBPPLN	3:30:00 PM	12728						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN.fx	9:30:00 AM	12729						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN.fx	11:30:00 AM	12730						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN.fx	1:30:00 PM	12731						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPPLN.fx	3:30:00 PM	12732						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK	9:30:00 AM	12733						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK	11:30:00 AM	12734						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK	1:30:00 PM	12735						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK	3:30:00 PM	12736						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK.fx	9:30:00 AM	12737						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK.fx	11:30:00 AM	12738						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK.fx	1:30:00 PM	12739						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSEK.fx	3:30:00 PM	12740						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD	9:30:00 AM	12741						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD	11:30:00 AM	12742						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD	1:30:00 PM	12743						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD	3:30:00 PM	12744						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD.fx	9:30:00 AM	12745						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD.fx	11:30:00 AM	12746						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD.fx	1:30:00 PM	12747						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPSGD.fx	3:30:00 PM	12748						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD	9:30:00 AM	12749						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD	11:30:00 AM	12750						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD	1:30:00 PM	12751						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD	3:30:00 PM	12752						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD.fx	9:30:00 AM	12753						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD.fx	11:30:00 AM	12754						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD.fx	1:30:00 PM	12755						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPUSD.fx	3:30:00 PM	12756						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR	9:30:00 AM	12757						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR	11:30:00 AM	12758						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR	1:30:00 PM	12759						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR	3:30:00 PM	12760						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR.fx	9:30:00 AM	12761						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	GBPZAR.fx	11:30:00 AM	12762						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR.fx	1:30:00 PM	12763						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GBPZAR.fx	3:30:00 PM	12764						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GOLD	9:30:00 AM	12765						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GOLD	11:30:00 AM	12766						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GOLD	1:30:00 PM	12767						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	GOLD	3:30:00 PM	12768						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY	9:30:00 AM	12769						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY	11:30:00 AM	12770						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY	1:30:00 PM	12771						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY	3:30:00 PM	12772						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY.fx	9:30:00 AM	12773						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY.fx	11:30:00 AM	12774						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY.fx	1:30:00 PM	12775						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HKDJPY.fx	3:30:00 PM	12776						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HUFJPY	9:30:00 AM	12777						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HUFJPY	11:30:00 AM	12778						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HUFJPY	1:30:00 PM	12779						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	HUFJPY	3:30:00 PM	12780						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	JP225.i	9:30:00 AM	12781						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	JP225.i	11:30:00 AM	12782						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	JP225.i	1:30:00 PM	12783						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	JP225.i	3:30:00 PM	12784						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	MXNJPY	9:30:00 AM	12785						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	MXNJPY	11:30:00 AM	12786						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	MXNJPY	1:30:00 PM	12787						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	MXNJPY	3:30:00 PM	12788						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NASDAQ.i	9:30:00 AM	12789						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NASDAQ.i	11:30:00 AM	12790						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NASDAQ.i	1:30:00 PM	12791						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NASDAQ.i	3:30:00 PM	12792						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY	9:30:00 AM	12793						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY	11:30:00 AM	12794						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY	1:30:00 PM	12795						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	NOKJPY	3:30:00 PM	12796						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY.fx	9:30:00 AM	12797						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY.fx	11:30:00 AM	12798						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY.fx	1:30:00 PM	12799						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NOKJPY.fx	3:30:00 PM	12800						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD	9:30:00 AM	12801						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD	11:30:00 AM	12802						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD	1:30:00 PM	12803						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD	3:30:00 PM	12804						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD.fx	9:30:00 AM	12805						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD.fx	11:30:00 AM	12806						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD.fx	1:30:00 PM	12807						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCAD.fx	3:30:00 PM	12808						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF	9:30:00 AM	12809						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF	11:30:00 AM	12810						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF	1:30:00 PM	12811						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF	3:30:00 PM	12812						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF.fx	9:30:00 AM	12813						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF.fx	11:30:00 AM	12814						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF.fx	1:30:00 PM	12815						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCHF.fx	3:30:00 PM	12816						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCZK	9:30:00 AM	12817						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCZK	11:30:00 AM	12818						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCZK	1:30:00 PM	12819						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDCZK	3:30:00 PM	12820						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDDKK	9:30:00 AM	12821						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDDKK	11:30:00 AM	12822						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDDKK	1:30:00 PM	12823						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDDKK	3:30:00 PM	12824						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHKD	9:30:00 AM	12825						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHKD	11:30:00 AM	12826						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHKD	1:30:00 PM	12827						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHKD	3:30:00 PM	12828						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHUF	9:30:00 AM	12829						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	NZDHUF	11:30:00 AM	12830						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHUF	1:30:00 PM	12831						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDHUF	3:30:00 PM	12832						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY	9:30:00 AM	12833						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY	11:30:00 AM	12834						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY	1:30:00 PM	12835						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY	3:30:00 PM	12836						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY.fx	9:30:00 AM	12837						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY.fx	11:30:00 AM	12838						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY.fx	1:30:00 PM	12839						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDJPY.fx	3:30:00 PM	12840						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDMXN	9:30:00 AM	12841						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDMXN	11:30:00 AM	12842						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDMXN	1:30:00 PM	12843						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDMXN	3:30:00 PM	12844						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDNOK	9:30:00 AM	12845						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDNOK	11:30:00 AM	12846						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDNOK	1:30:00 PM	12847						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDNOK	3:30:00 PM	12848						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDPLN	9:30:00 AM	12849						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDPLN	11:30:00 AM	12850						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDPLN	1:30:00 PM	12851						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDPLN	3:30:00 PM	12852						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSEK	9:30:00 AM	12853						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSEK	11:30:00 AM	12854						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSEK	1:30:00 PM	12855						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSEK	3:30:00 PM	12856						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD	9:30:00 AM	12857						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD	11:30:00 AM	12858						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD	1:30:00 PM	12859						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD	3:30:00 PM	12860						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD.fx	9:30:00 AM	12861						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD.fx	11:30:00 AM	12862						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDSGD.fx	1:30:00 PM	12863						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	NZDSGD.fx	3:30:00 PM	12864						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD	9:30:00 AM	12865						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD	11:30:00 AM	12866						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD	1:30:00 PM	12867						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD	3:30:00 PM	12868						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD.fx	9:30:00 AM	12869						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD.fx	11:30:00 AM	12870						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD.fx	1:30:00 PM	12871						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDUSD.fx	3:30:00 PM	12872						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDZAR	9:30:00 AM	12873						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDZAR	11:30:00 AM	12874						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDZAR	1:30:00 PM	12875						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	NZDZAR	3:30:00 PM	12876						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY	9:30:00 AM	12877						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY	11:30:00 AM	12878						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY	1:30:00 PM	12879						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY	3:30:00 PM	12880						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY.fx	9:30:00 AM	12881						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY.fx	11:30:00 AM	12882						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY.fx	1:30:00 PM	12883						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SEKJPY.fx	3:30:00 PM	12884						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SGDJPY	9:30:00 AM	12885						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SGDJPY	11:30:00 AM	12886						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SGDJPY	1:30:00 PM	12887						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SGDJPY	3:30:00 PM	12888						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SILVER	9:30:00 AM	12889						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SILVER	11:30:00 AM	12890						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SILVER	1:30:00 PM	12891						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SILVER	3:30:00 PM	12892						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SPX500.i	9:30:00 AM	12893						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SPX500.i	11:30:00 AM	12894						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SPX500.i	1:30:00 PM	12895						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	SPX500.i	3:30:00 PM	12896						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	UK100.i	9:30:00 AM	12897						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	UK100.i	11:30:00 AM	12898						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	UK100.i	1:30:00 PM	12899						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	UK100.i	3:30:00 PM	12900						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD	9:30:00 AM	12901						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD	11:30:00 AM	12902						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD	1:30:00 PM	12903						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD	3:30:00 PM	12904						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD.fx	9:30:00 AM	12905						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD.fx	11:30:00 AM	12906						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD.fx	1:30:00 PM	12907						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCAD.fx	3:30:00 PM	12908						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF	9:30:00 AM	12909						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF	11:30:00 AM	12910						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF	1:30:00 PM	12911						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF	3:30:00 PM	12912						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF.fx	9:30:00 AM	12913						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF.fx	11:30:00 AM	12914						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF.fx	1:30:00 PM	12915						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCHF.fx	3:30:00 PM	12916						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK	9:30:00 AM	12917						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK	11:30:00 AM	12918						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK	1:30:00 PM	12919						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK	3:30:00 PM	12920						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK.fx	9:30:00 AM	12921						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK.fx	11:30:00 AM	12922						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK.fx	1:30:00 PM	12923						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDCZK.fx	3:30:00 PM	12924						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK	9:30:00 AM	12925						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK	11:30:00 AM	12926						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK	1:30:00 PM	12927						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK	3:30:00 PM	12928						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK.fx	9:30:00 AM	12929						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK.fx	11:30:00 AM	12930						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDDKK.fx	1:30:00 PM	12931						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	USDDKK.fx	3:30:00 PM	12932						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD	9:30:00 AM	12933						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD	11:30:00 AM	12934						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD	1:30:00 PM	12935						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD	3:30:00 PM	12936						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD.fx	9:30:00 AM	12937						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD.fx	11:30:00 AM	12938						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD.fx	1:30:00 PM	12939						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHKD.fx	3:30:00 PM	12940						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF	9:30:00 AM	12941						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF	11:30:00 AM	12942						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF	1:30:00 PM	12943						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF	3:30:00 PM	12944						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF.fx	9:30:00 AM	12945						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF.fx	11:30:00 AM	12946						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF.fx	1:30:00 PM	12947						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDHUF.fx	3:30:00 PM	12948						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDINR	9:30:00 AM	12949						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDINR	11:30:00 AM	12950						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDINR	1:30:00 PM	12951						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDINR	3:30:00 PM	12952						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY	9:30:00 AM	12953						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY	11:30:00 AM	12954						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY	1:30:00 PM	12955						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY	3:30:00 PM	12956						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY.fx	9:30:00 AM	12957						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY.fx	11:30:00 AM	12958						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY.fx	1:30:00 PM	12959						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDJPY.fx	3:30:00 PM	12960						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN	9:30:00 AM	12961						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN	11:30:00 AM	12962						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN	1:30:00 PM	12963						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN	3:30:00 PM	12964						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	JSDMXN.fx	9:30:00 AM	12965						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	USDMXN.fx	11:30:00 AM	12966						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN.fx	1:30:00 PM	12967						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDMXN.fx	3:30:00 PM	12968						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK	9:30:00 AM	12969						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK	11:30:00 AM	12970						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK	1:30:00 PM	12971						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK	3:30:00 PM	12972						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK.fx	9:30:00 AM	12973						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK.fx	11:30:00 AM	12974						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK.fx	1:30:00 PM	12975						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDNOK.fx	3:30:00 PM	12976						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN	9:30:00 AM	12977						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN	11:30:00 AM	12978						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN	1:30:00 PM	12979						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN	3:30:00 PM	12980						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN.fx	9:30:00 AM	12981						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN.fx	11:30:00 AM	12982						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN.fx	1:30:00 PM	12983						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDPLN.fx	3:30:00 PM	12984						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDRUB	9:30:00 AM	12985						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDRUB	11:30:00 AM	12986						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDRUB	1:30:00 PM	12987						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDRUB	3:30:00 PM	12988						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK	9:30:00 AM	12989						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK	11:30:00 AM	12990						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK	1:30:00 PM	12991						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK	3:30:00 PM	12992						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK.fx	9:30:00 AM	12993						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK.fx	11:30:00 AM	12994						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK.fx	1:30:00 PM	12995						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSEK.fx	3:30:00 PM	12996						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD	9:30:00 AM	12997						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD	11:30:00 AM	12998						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD	1:30:00 PM	12999						Continuous Quote	N/A	ELECTRONIC	N/A

10/11/2019	USDSGD	3:30:00 PM	13000						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD.fx	9:30:00 AM	13001						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD.fx	11:30:00 AM	13002						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD.fx	1:30:00 PM	13003						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDSGD.fx	3:30:00 PM	13004						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR	9:30:00 AM	13005						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR	11:30:00 AM	13006						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR	1:30:00 PM	13007						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR	3:30:00 PM	13008						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR.fx	9:30:00 AM	13009						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR.fx	11:30:00 AM	13010						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR.fx	1:30:00 PM	13011						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	USDZAR.fx	3:30:00 PM	13012						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	XAUUSD	9:30:00 AM	13013						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	XAUUSD	11:30:00 AM	13014						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	XAUUSD	1:30:00 PM	13015						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	XAUUSD	3:30:00 PM	13016						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY	9:30:00 AM	13017						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY	11:30:00 AM	13018						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY	1:30:00 PM	13019						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY	3:30:00 PM	13020						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY.fx	9:30:00 AM	13021						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY.fx	11:30:00 AM	13022						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY.fx	1:30:00 PM	13023						Continuous Quote	N/A	ELECTRONIC	N/A
10/11/2019	ZARJPY.fx	3:30:00 PM	13024						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AA	9:30:00 AM	13025						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AA	11:30:00 AM	13026						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AA	1:30:00 PM	13027						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AA	3:30:00 PM	13028						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AABA	9:30:00 AM	13029						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AABA	11:30:00 AM	13030						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AABA	1:30:00 PM	13031						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AABA	3:30:00 PM	13032						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAL	9:30:00 AM	13033						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	#AAL	11:30:00 AM	13034						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAL	1:30:00 PM	13035						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAL	3:30:00 PM	13036						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAPL	9:30:00 AM	13037						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAPL	11:30:00 AM	13038						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAPL	1:30:00 PM	13039						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AAPL	3:30:00 PM	13040						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#ADBE	9:30:00 AM	13041						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#ADBE	11:30:00 AM	13042						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#ADBE	1:30:00 PM	13043						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#ADBE	3:30:00 PM	13044						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AIG	9:30:00 AM	13045						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AIG	11:30:00 AM	13046						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AIG	1:30:00 PM	13047						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AIG	3:30:00 PM	13048						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMD	9:30:00 AM	13049						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMD	11:30:00 AM	13050						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMD	1:30:00 PM	13051						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMD	3:30:00 PM	13052						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMZN	9:30:00 AM	13053						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMZN	11:30:00 AM	13054						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMZN	1:30:00 PM	13055						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AMZN	3:30:00 PM	13056						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AXP	9:30:00 AM	13057						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AXP	11:30:00 AM	13058						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AXP	1:30:00 PM	13059						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#AXP	3:30:00 PM	13060						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BA	9:30:00 AM	13061						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BA	11:30:00 AM	13062						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BA	1:30:00 PM	13063						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BA	3:30:00 PM	13064						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BABA	9:30:00 AM	13065						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BABA	11:30:00 AM	13066						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BABA	1:30:00 PM	13067						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	#BABA	3:30:00 PM	13068						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BAC	9:30:00 AM	13069						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BAC	11:30:00 AM	13070						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BAC	1:30:00 PM	13071						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BAC	3:30:00 PM	13072						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BARC	9:30:00 AM	13073						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BARC	11:30:00 AM	13074						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BARC	1:30:00 PM	13075						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BARC	3:30:00 PM	13076						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BHP	9:30:00 AM	13077						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BHP	11:30:00 AM	13078						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BHP	1:30:00 PM	13079						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BHP	3:30:00 PM	13080						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BIDU	9:30:00 AM	13081						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BIDU	11:30:00 AM	13082						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BIDU	1:30:00 PM	13083						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BIDU	3:30:00 PM	13084						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#Bitcoin	9:30:00 AM	13085						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#Bitcoin	11:30:00 AM	13086						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#Bitcoin	1:30:00 PM	13087						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#Bitcoin	3:30:00 PM	13088						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BK	9:30:00 AM	13089						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BK	11:30:00 AM	13090						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BK	1:30:00 PM	13091						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BK	3:30:00 PM	13092						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BLT	9:30:00 AM	13093						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BLT	11:30:00 AM	13094						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BLT	1:30:00 PM	13095						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BLT	3:30:00 PM	13096						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BP	9:30:00 AM	13097						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BP	11:30:00 AM	13098						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BP	1:30:00 PM	13099						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BP	3:30:00 PM	13100						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BTA	9:30:00 AM	13101						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	#BTA	11:30:00 AM	13102						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BTA	1:30:00 PM	13103						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#BTA	3:30:00 PM	13104						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#C	9:30:00 AM	13105						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#C	11:30:00 AM	13106						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#C	1:30:00 PM	13107						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#C	3:30:00 PM	13108						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	#CAT	9:30:00 AM	13109						Continuous Quote	N/A	ELECTRONIC	N/A
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10/12/2019	AUDJPY.fx	3:30:00 PM	13508						Continuous Quote	N/A	ELECTRONIC	N/A
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10/12/2019	AUDNOK	9:30:00 AM	13513						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK	11:30:00 AM	13514						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK	1:30:00 PM	13515						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK	3:30:00 PM	13516						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK.fx	9:30:00 AM	13517						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK.fx	11:30:00 AM	13518						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK.fx	1:30:00 PM	13519						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNOK.fx	3:30:00 PM	13520						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD	9:30:00 AM	13521						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD	11:30:00 AM	13522						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD	1:30:00 PM	13523						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD	3:30:00 PM	13524						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD.fx	9:30:00 AM	13525						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD.fx	11:30:00 AM	13526						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD.fx	1:30:00 PM	13527						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDNZD.fx	3:30:00 PM	13528						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDPLN	9:30:00 AM	13529						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDPLN	11:30:00 AM	13530						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDPLN	1:30:00 PM	13531						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDPLN	3:30:00 PM	13532						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK	9:30:00 AM	13533						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK	11:30:00 AM	13534						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK	1:30:00 PM	13535						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK	3:30:00 PM	13536						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK.fx	9:30:00 AM	13537						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK.fx	11:30:00 AM	13538						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK.fx	1:30:00 PM	13539						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSEK.fx	3:30:00 PM	13540						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD	9:30:00 AM	13541						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD	11:30:00 AM	13542						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD	1:30:00 PM	13543						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	AUDSGD	3:30:00 PM	13544						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD.fx	9:30:00 AM	13545						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD.fx	11:30:00 AM	13546						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD.fx	1:30:00 PM	13547						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDSGD.fx	3:30:00 PM	13548						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDUSD	9:30:00 AM	13549						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDUSD	11:30:00 AM	13550						Continuous Quote	N/A	ELECTRONIC	N/A
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10/12/2019	AUDUSD	3:30:00 PM	13552						Continuous Quote	N/A	ELECTRONIC	N/A
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10/12/2019	AUDUSD.fx	11:30:00 AM	13554						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDUSD.fx	1:30:00 PM	13555						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDUSD.fx	3:30:00 PM	13556						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDZAR	9:30:00 AM	13557						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDZAR	11:30:00 AM	13558						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDZAR	1:30:00 PM	13559						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUDZAR	3:30:00 PM	13560						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUS200.i	9:30:00 AM	13561						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUS200.i	11:30:00 AM	13562						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUS200.i	1:30:00 PM	13563						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	AUS200.i	3:30:00 PM	13564						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	BCHUSD	9:30:00 AM	13565						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	BCHUSD	11:30:00 AM	13566						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	BCHUSD	1:30:00 PM	13567						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	BCHUSD	3:30:00 PM	13568						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF	9:30:00 AM	13569						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF	11:30:00 AM	13570						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF	1:30:00 PM	13571						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF	3:30:00 PM	13572						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF.fx	9:30:00 AM	13573						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF.fx	11:30:00 AM	13574						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF.fx	1:30:00 PM	13575						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCHF.fx	3:30:00 PM	13576						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCZK	9:30:00 AM	13577						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	CADCZK	11:30:00 AM	13578						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCZK	1:30:00 PM	13579						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADCZK	3:30:00 PM	13580						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADDDK	9:30:00 AM	13581						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADDDK	11:30:00 AM	13582						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADDDK	1:30:00 PM	13583						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADDDK	3:30:00 PM	13584						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHKD	9:30:00 AM	13585						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHKD	11:30:00 AM	13586						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHKD	1:30:00 PM	13587						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHKD	3:30:00 PM	13588						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHUF	9:30:00 AM	13589						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHUF	11:30:00 AM	13590						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHUF	1:30:00 PM	13591						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADHUF	3:30:00 PM	13592						Continuous Quote	N/A	ELECTRONIC	N/A
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10/12/2019	CADJPY	11:30:00 AM	13594						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY	1:30:00 PM	13595						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY	3:30:00 PM	13596						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY.fx	9:30:00 AM	13597						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY.fx	11:30:00 AM	13598						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY.fx	1:30:00 PM	13599						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADJPY.fx	3:30:00 PM	13600						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADMXN	9:30:00 AM	13601						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADMXN	11:30:00 AM	13602						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADMXN	1:30:00 PM	13603						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADMXN	3:30:00 PM	13604						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADNOK	9:30:00 AM	13605						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADNOK	11:30:00 AM	13606						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADNOK	1:30:00 PM	13607						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADNOK	3:30:00 PM	13608						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADPLN	9:30:00 AM	13609						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADPLN	11:30:00 AM	13610						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADPLN	1:30:00 PM	13611						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	CADPLN	3:30:00 PM	13612						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSEK	9:30:00 AM	13613						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSEK	11:30:00 AM	13614						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSEK	1:30:00 PM	13615						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSEK	3:30:00 PM	13616						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSGD	9:30:00 AM	13617						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSGD	11:30:00 AM	13618						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSGD	1:30:00 PM	13619						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADSGD	3:30:00 PM	13620						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADZAR	9:30:00 AM	13621						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADZAR	11:30:00 AM	13622						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADZAR	1:30:00 PM	13623						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CADZAR	3:30:00 PM	13624						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFCZK	9:30:00 AM	13625						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFCZK	11:30:00 AM	13626						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFCZK	1:30:00 PM	13627						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFCZK	3:30:00 PM	13628						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK	9:30:00 AM	13629						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK	11:30:00 AM	13630						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK	1:30:00 PM	13631						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK	3:30:00 PM	13632						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK.fx	9:30:00 AM	13633						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK.fx	11:30:00 AM	13634						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK.fx	1:30:00 PM	13635						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFDKK.fx	3:30:00 PM	13636						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHKD	9:30:00 AM	13637						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHKD	11:30:00 AM	13638						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHKD	1:30:00 PM	13639						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHKD	3:30:00 PM	13640						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHUF	9:30:00 AM	13641						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHUF	11:30:00 AM	13642						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHUF	1:30:00 PM	13643						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFHUF	3:30:00 PM	13644						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY	9:30:00 AM	13645						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	CHFJPY	11:30:00 AM	13646						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY	1:30:00 PM	13647						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY	3:30:00 PM	13648						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY.fx	9:30:00 AM	13649						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY.fx	11:30:00 AM	13650						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY.fx	1:30:00 PM	13651						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFJPY.fx	3:30:00 PM	13652						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFMXN	9:30:00 AM	13653						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFMXN	11:30:00 AM	13654						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFMXN	1:30:00 PM	13655						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFMXN	3:30:00 PM	13656						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK	9:30:00 AM	13657						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK	11:30:00 AM	13658						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK	1:30:00 PM	13659						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK	3:30:00 PM	13660						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK.fx	9:30:00 AM	13661						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK.fx	11:30:00 AM	13662						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK.fx	1:30:00 PM	13663						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFNOK.fx	3:30:00 PM	13664						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN	9:30:00 AM	13665						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN	11:30:00 AM	13666						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN	1:30:00 PM	13667						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN	3:30:00 PM	13668						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN.fx	9:30:00 AM	13669						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN.fx	11:30:00 AM	13670						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN.fx	1:30:00 PM	13671						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFPLN.fx	3:30:00 PM	13672						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSEK	9:30:00 AM	13673						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSEK	11:30:00 AM	13674						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSEK	1:30:00 PM	13675						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSEK	3:30:00 PM	13676						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD	9:30:00 AM	13677						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD	11:30:00 AM	13678						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD	1:30:00 PM	13679						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	CHFSGD	3:30:00 PM	13680						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD.fx	9:30:00 AM	13681						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD.fx	11:30:00 AM	13682						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD.fx	1:30:00 PM	13683						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFSGD.fx	3:30:00 PM	13684						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFZAR	9:30:00 AM	13685						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFZAR	11:30:00 AM	13686						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFZAR	1:30:00 PM	13687						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CHFZAR	3:30:00 PM	13688						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CZKJPY	9:30:00 AM	13689						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CZKJPY	11:30:00 AM	13690						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CZKJPY	1:30:00 PM	13691						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	CZKJPY	3:30:00 PM	13692						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DAX30.i	9:30:00 AM	13693						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DAX30.i	11:30:00 AM	13694						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DAX30.i	1:30:00 PM	13695						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DAX30.i	3:30:00 PM	13696						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DJ30.i	9:30:00 AM	13697						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DJ30.i	11:30:00 AM	13698						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DJ30.i	1:30:00 PM	13699						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DJ30.i	3:30:00 PM	13700						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DKKJPY	9:30:00 AM	13701						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DKKJPY	11:30:00 AM	13702						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DKKJPY	1:30:00 PM	13703						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	DKKJPY	3:30:00 PM	13704						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD	9:30:00 AM	13705						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD	11:30:00 AM	13706						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD	1:30:00 PM	13707						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD	3:30:00 PM	13708						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD.fx	9:30:00 AM	13709						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD.fx	11:30:00 AM	13710						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD.fx	1:30:00 PM	13711						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURAUD.fx	3:30:00 PM	13712						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD	9:30:00 AM	13713						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	EURCAD	11:30:00 AM	13714						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD	1:30:00 PM	13715						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD	3:30:00 PM	13716						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD.fx	9:30:00 AM	13717						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD.fx	11:30:00 AM	13718						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD.fx	1:30:00 PM	13719						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCAD.fx	3:30:00 PM	13720						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF	9:30:00 AM	13721						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF	11:30:00 AM	13722						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF	1:30:00 PM	13723						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF	3:30:00 PM	13724						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF.fx	9:30:00 AM	13725						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF.fx	11:30:00 AM	13726						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF.fx	1:30:00 PM	13727						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCHF.fx	3:30:00 PM	13728						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCZK	9:30:00 AM	13729						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCZK	11:30:00 AM	13730						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCZK	1:30:00 PM	13731						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURCZK	3:30:00 PM	13732						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURDKK	9:30:00 AM	13733						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURDKK	11:30:00 AM	13734						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURDKK	1:30:00 PM	13735						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURDKK	3:30:00 PM	13736						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP	9:30:00 AM	13737						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP	11:30:00 AM	13738						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP	1:30:00 PM	13739						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP	3:30:00 PM	13740						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP.fx	9:30:00 AM	13741						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP.fx	11:30:00 AM	13742						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP.fx	1:30:00 PM	13743						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURGBP.fx	3:30:00 PM	13744						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD	9:30:00 AM	13745						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD	11:30:00 AM	13746						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD	1:30:00 PM	13747						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	EURHKD	3:30:00 PM	13748						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD.fx	9:30:00 AM	13749						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD.fx	11:30:00 AM	13750						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD.fx	1:30:00 PM	13751						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHKD.fx	3:30:00 PM	13752						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF	9:30:00 AM	13753						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF	11:30:00 AM	13754						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF	1:30:00 PM	13755						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF	3:30:00 PM	13756						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF.fx	9:30:00 AM	13757						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF.fx	11:30:00 AM	13758						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF.fx	1:30:00 PM	13759						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURHUF.fx	3:30:00 PM	13760						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY	9:30:00 AM	13761						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY	11:30:00 AM	13762						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY	1:30:00 PM	13763						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY	3:30:00 PM	13764						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY.fx	9:30:00 AM	13765						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY.fx	11:30:00 AM	13766						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY.fx	1:30:00 PM	13767						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURJPY.fx	3:30:00 PM	13768						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN	9:30:00 AM	13769						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN	11:30:00 AM	13770						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN	1:30:00 PM	13771						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN	3:30:00 PM	13772						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN.fx	9:30:00 AM	13773						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN.fx	11:30:00 AM	13774						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN.fx	1:30:00 PM	13775						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURMXN.fx	3:30:00 PM	13776						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK	9:30:00 AM	13777						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK	11:30:00 AM	13778						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK	1:30:00 PM	13779						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK	3:30:00 PM	13780						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK.fx	9:30:00 AM	13781						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	EURNOK.fx	11:30:00 AM	13782						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK.fx	1:30:00 PM	13783						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNOK.fx	3:30:00 PM	13784						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD	9:30:00 AM	13785						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD	11:30:00 AM	13786						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD	1:30:00 PM	13787						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD	3:30:00 PM	13788						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD.fx	9:30:00 AM	13789						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD.fx	11:30:00 AM	13790						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD.fx	1:30:00 PM	13791						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURNZD.fx	3:30:00 PM	13792						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN	9:30:00 AM	13793						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN	11:30:00 AM	13794						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN	1:30:00 PM	13795						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN	3:30:00 PM	13796						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN.fx	9:30:00 AM	13797						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN.fx	11:30:00 AM	13798						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN.fx	1:30:00 PM	13799						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURPLN.fx	3:30:00 PM	13800						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURRUB	9:30:00 AM	13801						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURRUB	11:30:00 AM	13802						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURRUB	1:30:00 PM	13803						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURRUB	3:30:00 PM	13804						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK	9:30:00 AM	13805						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK	11:30:00 AM	13806						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK	1:30:00 PM	13807						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK	3:30:00 PM	13808						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK.fx	9:30:00 AM	13809						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK.fx	11:30:00 AM	13810						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK.fx	1:30:00 PM	13811						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSEK.fx	3:30:00 PM	13812						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD	9:30:00 AM	13813						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD	11:30:00 AM	13814						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD	1:30:00 PM	13815						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	EURSGD	3:30:00 PM	13816						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD.fx	9:30:00 AM	13817						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD.fx	11:30:00 AM	13818						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD.fx	1:30:00 PM	13819						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURSGD.fx	3:30:00 PM	13820						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD	9:30:00 AM	13821						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD	11:30:00 AM	13822						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD	1:30:00 PM	13823						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD	3:30:00 PM	13824						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD.fx	9:30:00 AM	13825						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD.fx	11:30:00 AM	13826						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD.fx	1:30:00 PM	13827						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURUSD.fx	3:30:00 PM	13828						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR	9:30:00 AM	13829						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR	11:30:00 AM	13830						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR	1:30:00 PM	13831						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR	3:30:00 PM	13832						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR.fx	9:30:00 AM	13833						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR.fx	11:30:00 AM	13834						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR.fx	1:30:00 PM	13835						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	EURZAR.fx	3:30:00 PM	13836						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD	9:30:00 AM	13837						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD	11:30:00 AM	13838						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD	1:30:00 PM	13839						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD	3:30:00 PM	13840						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD.fx	9:30:00 AM	13841						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD.fx	11:30:00 AM	13842						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD.fx	1:30:00 PM	13843						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPAUD.fx	3:30:00 PM	13844						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD	9:30:00 AM	13845						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD	11:30:00 AM	13846						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD	1:30:00 PM	13847						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD	3:30:00 PM	13848						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD.fx	9:30:00 AM	13849						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	GBPCAD.fx	11:30:00 AM	13850						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD.fx	1:30:00 PM	13851						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCAD.fx	3:30:00 PM	13852						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF	9:30:00 AM	13853						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF	11:30:00 AM	13854						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF	1:30:00 PM	13855						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF	3:30:00 PM	13856						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF.fx	9:30:00 AM	13857						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF.fx	11:30:00 AM	13858						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF.fx	1:30:00 PM	13859						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCHF.fx	3:30:00 PM	13860						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCZK	9:30:00 AM	13861						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCZK	11:30:00 AM	13862						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCZK	1:30:00 PM	13863						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPCZK	3:30:00 PM	13864						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK	9:30:00 AM	13865						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK	11:30:00 AM	13866						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK	1:30:00 PM	13867						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK	3:30:00 PM	13868						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK.fx	9:30:00 AM	13869						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK.fx	11:30:00 AM	13870						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK.fx	1:30:00 PM	13871						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPDKK.fx	3:30:00 PM	13872						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHKD	9:30:00 AM	13873						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHKD	11:30:00 AM	13874						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHKD	1:30:00 PM	13875						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHKD	3:30:00 PM	13876						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHUF	9:30:00 AM	13877						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHUF	11:30:00 AM	13878						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHUF	1:30:00 PM	13879						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPHUF	3:30:00 PM	13880						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY	9:30:00 AM	13881						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY	11:30:00 AM	13882						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY	1:30:00 PM	13883						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	GBPJPY	3:30:00 PM	13884						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY.fx	9:30:00 AM	13885						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY.fx	11:30:00 AM	13886						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY.fx	1:30:00 PM	13887						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPJPY.fx	3:30:00 PM	13888						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPMXN	9:30:00 AM	13889						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPMXN	11:30:00 AM	13890						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPMXN	1:30:00 PM	13891						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPMXN	3:30:00 PM	13892						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK	9:30:00 AM	13893						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK	11:30:00 AM	13894						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK	1:30:00 PM	13895						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK	3:30:00 PM	13896						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK.fx	9:30:00 AM	13897						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK.fx	11:30:00 AM	13898						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK.fx	1:30:00 PM	13899						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNOK.fx	3:30:00 PM	13900						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD	9:30:00 AM	13901						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD	11:30:00 AM	13902						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD	1:30:00 PM	13903						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD	3:30:00 PM	13904						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD.fx	9:30:00 AM	13905						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD.fx	11:30:00 AM	13906						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD.fx	1:30:00 PM	13907						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPNZD.fx	3:30:00 PM	13908						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN	9:30:00 AM	13909						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN	11:30:00 AM	13910						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN	1:30:00 PM	13911						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN	3:30:00 PM	13912						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN.fx	9:30:00 AM	13913						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN.fx	11:30:00 AM	13914						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN.fx	1:30:00 PM	13915						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPPLN.fx	3:30:00 PM	13916						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK	9:30:00 AM	13917						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	GBPSEK	11:30:00 AM	13918						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK	1:30:00 PM	13919						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK	3:30:00 PM	13920						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK.fx	9:30:00 AM	13921						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK.fx	11:30:00 AM	13922						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK.fx	1:30:00 PM	13923						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSEK.fx	3:30:00 PM	13924						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD	9:30:00 AM	13925						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD	11:30:00 AM	13926						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD	1:30:00 PM	13927						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD	3:30:00 PM	13928						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD.fx	9:30:00 AM	13929						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD.fx	11:30:00 AM	13930						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD.fx	1:30:00 PM	13931						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPSGD.fx	3:30:00 PM	13932						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD	9:30:00 AM	13933						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD	11:30:00 AM	13934						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD	1:30:00 PM	13935						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD	3:30:00 PM	13936						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD.fx	9:30:00 AM	13937						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD.fx	11:30:00 AM	13938						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD.fx	1:30:00 PM	13939						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPUSD.fx	3:30:00 PM	13940						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR	9:30:00 AM	13941						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR	11:30:00 AM	13942						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR	1:30:00 PM	13943						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR	3:30:00 PM	13944						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR.fx	9:30:00 AM	13945						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR.fx	11:30:00 AM	13946						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR.fx	1:30:00 PM	13947						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GBPZAR.fx	3:30:00 PM	13948						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GOLD	9:30:00 AM	13949						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GOLD	11:30:00 AM	13950						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	GOLD	1:30:00 PM	13951						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	GOLD	3:30:00 PM	13952						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY	9:30:00 AM	13953						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY	11:30:00 AM	13954						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY	1:30:00 PM	13955						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY	3:30:00 PM	13956						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY.fx	9:30:00 AM	13957						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY.fx	11:30:00 AM	13958						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY.fx	1:30:00 PM	13959						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HKDJPY.fx	3:30:00 PM	13960						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HUFJPY	9:30:00 AM	13961						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HUFJPY	11:30:00 AM	13962						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HUFJPY	1:30:00 PM	13963						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	HUFJPY	3:30:00 PM	13964						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JP225.i	9:30:00 AM	13965						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JP225.i	11:30:00 AM	13966						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JP225.i	1:30:00 PM	13967						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JP225.i	3:30:00 PM	13968						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	MXNJPY	9:30:00 AM	13969						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	MXNJPY	11:30:00 AM	13970						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	MXNJPY	1:30:00 PM	13971						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	MXNJPY	3:30:00 PM	13972						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NASDAQ.i	9:30:00 AM	13973						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NASDAQ.i	11:30:00 AM	13974						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NASDAQ.i	1:30:00 PM	13975						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NASDAQ.i	3:30:00 PM	13976						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY	9:30:00 AM	13977						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY	11:30:00 AM	13978						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY	1:30:00 PM	13979						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY	3:30:00 PM	13980						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY.fx	9:30:00 AM	13981						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY.fx	11:30:00 AM	13982						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY.fx	1:30:00 PM	13983						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NOKJPY.fx	3:30:00 PM	13984						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD	9:30:00 AM	13985						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	NZDCAD	11:30:00 AM	13986						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD	1:30:00 PM	13987						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD	3:30:00 PM	13988						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD.fx	9:30:00 AM	13989						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD.fx	11:30:00 AM	13990						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD.fx	1:30:00 PM	13991						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCAD.fx	3:30:00 PM	13992						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF	9:30:00 AM	13993						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF	11:30:00 AM	13994						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF	1:30:00 PM	13995						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF	3:30:00 PM	13996						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF.fx	9:30:00 AM	13997						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF.fx	11:30:00 AM	13998						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF.fx	1:30:00 PM	13999						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCHF.fx	3:30:00 PM	14000						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCZK	9:30:00 AM	14001						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCZK	11:30:00 AM	14002						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCZK	1:30:00 PM	14003						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDCZK	3:30:00 PM	14004						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDDKK	9:30:00 AM	14005						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDDKK	11:30:00 AM	14006						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDDKK	1:30:00 PM	14007						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDDKK	3:30:00 PM	14008						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHKD	9:30:00 AM	14009						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHKD	11:30:00 AM	14010						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHKD	1:30:00 PM	14011						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHKD	3:30:00 PM	14012						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHUF	9:30:00 AM	14013						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHUF	11:30:00 AM	14014						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHUF	1:30:00 PM	14015						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDHUF	3:30:00 PM	14016						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY	9:30:00 AM	14017						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY	11:30:00 AM	14018						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY	1:30:00 PM	14019						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	NZDJPY	3:30:00 PM	14020						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY.fx	9:30:00 AM	14021						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY.fx	11:30:00 AM	14022						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY.fx	1:30:00 PM	14023						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDJPY.fx	3:30:00 PM	14024						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDMXN	9:30:00 AM	14025						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDMXN	11:30:00 AM	14026						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDMXN	1:30:00 PM	14027						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDMXN	3:30:00 PM	14028						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDNOK	9:30:00 AM	14029						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDNOK	11:30:00 AM	14030						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDNOK	1:30:00 PM	14031						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDNOK	3:30:00 PM	14032						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDPLN	9:30:00 AM	14033						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDPLN	11:30:00 AM	14034						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDPLN	1:30:00 PM	14035						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDPLN	3:30:00 PM	14036						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSEK	9:30:00 AM	14037						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSEK	11:30:00 AM	14038						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSEK	1:30:00 PM	14039						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSEK	3:30:00 PM	14040						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD	9:30:00 AM	14041						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD	11:30:00 AM	14042						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD	1:30:00 PM	14043						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD	3:30:00 PM	14044						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD.fx	9:30:00 AM	14045						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD.fx	11:30:00 AM	14046						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD.fx	1:30:00 PM	14047						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDSGD.fx	3:30:00 PM	14048						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD	9:30:00 AM	14049						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD	11:30:00 AM	14050						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD	1:30:00 PM	14051						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD	3:30:00 PM	14052						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD.fx	9:30:00 AM	14053						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	NZDUSD.fx	11:30:00 AM	14054						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD.fx	1:30:00 PM	14055						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDUSD.fx	3:30:00 PM	14056						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDZAR	9:30:00 AM	14057						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDZAR	11:30:00 AM	14058						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDZAR	1:30:00 PM	14059						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	NZDZAR	3:30:00 PM	14060						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY	9:30:00 AM	14061						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY	11:30:00 AM	14062						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY	1:30:00 PM	14063						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY	3:30:00 PM	14064						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY.fx	9:30:00 AM	14065						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY.fx	11:30:00 AM	14066						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY.fx	1:30:00 PM	14067						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SEKJPY.fx	3:30:00 PM	14068						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SGDJPY	9:30:00 AM	14069						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SGDJPY	11:30:00 AM	14070						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SGDJPY	1:30:00 PM	14071						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SGDJPY	3:30:00 PM	14072						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SILVER	9:30:00 AM	14073						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SILVER	11:30:00 AM	14074						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SILVER	1:30:00 PM	14075						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SILVER	3:30:00 PM	14076						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SPX500.i	9:30:00 AM	14077						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SPX500.i	11:30:00 AM	14078						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SPX500.i	1:30:00 PM	14079						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	SPX500.i	3:30:00 PM	14080						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	UK100.i	9:30:00 AM	14081						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	UK100.i	11:30:00 AM	14082						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	UK100.i	1:30:00 PM	14083						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	UK100.i	3:30:00 PM	14084						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD	9:30:00 AM	14085						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD	11:30:00 AM	14086						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD	1:30:00 PM	14087						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	USDCAD	3:30:00 PM	14088						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD.fx	9:30:00 AM	14089						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD.fx	11:30:00 AM	14090						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD.fx	1:30:00 PM	14091						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCAD.fx	3:30:00 PM	14092						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF	9:30:00 AM	14093						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF	11:30:00 AM	14094						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF	1:30:00 PM	14095						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF	3:30:00 PM	14096						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF.fx	9:30:00 AM	14097						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF.fx	11:30:00 AM	14098						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF.fx	1:30:00 PM	14099						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCHEF.fx	3:30:00 PM	14100						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK	9:30:00 AM	14101						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK	11:30:00 AM	14102						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK	1:30:00 PM	14103						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK	3:30:00 PM	14104						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK.fx	9:30:00 AM	14105						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK.fx	11:30:00 AM	14106						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK.fx	1:30:00 PM	14107						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDCZK.fx	3:30:00 PM	14108						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK	9:30:00 AM	14109						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK	11:30:00 AM	14110						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK	1:30:00 PM	14111						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK	3:30:00 PM	14112						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK.fx	9:30:00 AM	14113						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK.fx	11:30:00 AM	14114						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK.fx	1:30:00 PM	14115						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDDKK.fx	3:30:00 PM	14116						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD	9:30:00 AM	14117						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD	11:30:00 AM	14118						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD	1:30:00 PM	14119						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD	3:30:00 PM	14120						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD.fx	9:30:00 AM	14121						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	USDHKD.fx	11:30:00 AM	14122						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD.fx	1:30:00 PM	14123						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHKD.fx	3:30:00 PM	14124						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF	9:30:00 AM	14125						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF	11:30:00 AM	14126						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF	1:30:00 PM	14127						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF	3:30:00 PM	14128						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF.fx	9:30:00 AM	14129						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF.fx	11:30:00 AM	14130						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF.fx	1:30:00 PM	14131						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDHUF.fx	3:30:00 PM	14132						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDINR	9:30:00 AM	14133						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDINR	11:30:00 AM	14134						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDINR	1:30:00 PM	14135						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDINR	3:30:00 PM	14136						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY	9:30:00 AM	14137						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY	11:30:00 AM	14138						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY	1:30:00 PM	14139						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY	3:30:00 PM	14140						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY.fx	9:30:00 AM	14141						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY.fx	11:30:00 AM	14142						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY.fx	1:30:00 PM	14143						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDJPY.fx	3:30:00 PM	14144						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDMXN	9:30:00 AM	14145						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDMXN	11:30:00 AM	14146						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDMXN	1:30:00 PM	14147						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDMXN	3:30:00 PM	14148						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JSDMXN.fx	9:30:00 AM	14149						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JSDMXN.fx	11:30:00 AM	14150						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JSDMXN.fx	1:30:00 PM	14151						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	JSDMXN.fx	3:30:00 PM	14152						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK	9:30:00 AM	14153						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK	11:30:00 AM	14154						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK	1:30:00 PM	14155						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	USDNOK	3:30:00 PM	14156						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK.fx	9:30:00 AM	14157						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK.fx	11:30:00 AM	14158						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK.fx	1:30:00 PM	14159						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDNOK.fx	3:30:00 PM	14160						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN	9:30:00 AM	14161						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN	11:30:00 AM	14162						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN	1:30:00 PM	14163						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN	3:30:00 PM	14164						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN.fx	9:30:00 AM	14165						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN.fx	11:30:00 AM	14166						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN.fx	1:30:00 PM	14167						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDPLN.fx	3:30:00 PM	14168						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDRUB	9:30:00 AM	14169						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDRUB	11:30:00 AM	14170						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDRUB	1:30:00 PM	14171						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDRUB	3:30:00 PM	14172						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK	9:30:00 AM	14173						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK	11:30:00 AM	14174						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK	1:30:00 PM	14175						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK	3:30:00 PM	14176						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK.fx	9:30:00 AM	14177						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK.fx	11:30:00 AM	14178						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK.fx	1:30:00 PM	14179						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSEK.fx	3:30:00 PM	14180						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD	9:30:00 AM	14181						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD	11:30:00 AM	14182						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD	1:30:00 PM	14183						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD	3:30:00 PM	14184						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD.fx	9:30:00 AM	14185						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD.fx	11:30:00 AM	14186						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD.fx	1:30:00 PM	14187						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDSGD.fx	3:30:00 PM	14188						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR	9:30:00 AM	14189						Continuous Quote	N/A	ELECTRONIC	N/A

10/12/2019	USDZAR	11:30:00 AM	14190						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR	1:30:00 PM	14191						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR	3:30:00 PM	14192						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR.fx	9:30:00 AM	14193						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR.fx	11:30:00 AM	14194						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR.fx	1:30:00 PM	14195						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	USDZAR.fx	3:30:00 PM	14196						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	XAUUSD	9:30:00 AM	14197						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	XAUUSD	11:30:00 AM	14198						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	XAUUSD	1:30:00 PM	14199						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	XAUUSD	3:30:00 PM	14200						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY	9:30:00 AM	14201						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY	11:30:00 AM	14202						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY	1:30:00 PM	14203						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY	3:30:00 PM	14204						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY.fx	9:30:00 AM	14205						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY.fx	11:30:00 AM	14206						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY.fx	1:30:00 PM	14207						Continuous Quote	N/A	ELECTRONIC	N/A
10/12/2019	ZARJPY.fx	3:30:00 PM	14208						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AA	9:30:00 AM	14209						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AA	11:30:00 AM	14210						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AA	1:30:00 PM	14211						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AA	3:30:00 PM	14212						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AABA	9:30:00 AM	14213						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AABA	11:30:00 AM	14214						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AABA	1:30:00 PM	14215						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AABA	3:30:00 PM	14216						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAL	9:30:00 AM	14217						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAL	11:30:00 AM	14218						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAL	1:30:00 PM	14219						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAL	3:30:00 PM	14220						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAPL	9:30:00 AM	14221						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAPL	11:30:00 AM	14222						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AAPL	1:30:00 PM	14223						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	#AAPL	3:30:00 PM	14224						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#ADBE	9:30:00 AM	14225						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#ADBE	11:30:00 AM	14226						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#ADBE	1:30:00 PM	14227						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#ADBE	3:30:00 PM	14228						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AIG	9:30:00 AM	14229						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AIG	11:30:00 AM	14230						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AIG	1:30:00 PM	14231						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AIG	3:30:00 PM	14232						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMD	9:30:00 AM	14233						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMD	11:30:00 AM	14234						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMD	1:30:00 PM	14235						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMD	3:30:00 PM	14236						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMZN	9:30:00 AM	14237						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMZN	11:30:00 AM	14238						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMZN	1:30:00 PM	14239						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AMZN	3:30:00 PM	14240						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AXP	9:30:00 AM	14241						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AXP	11:30:00 AM	14242						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AXP	1:30:00 PM	14243						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#AXP	3:30:00 PM	14244						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BA	9:30:00 AM	14245						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BA	11:30:00 AM	14246						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BA	1:30:00 PM	14247						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BA	3:30:00 PM	14248						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BABA	9:30:00 AM	14249						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BABA	11:30:00 AM	14250						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BABA	1:30:00 PM	14251						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BABA	3:30:00 PM	14252						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BAC	9:30:00 AM	14253						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BAC	11:30:00 AM	14254						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BAC	1:30:00 PM	14255						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BAC	3:30:00 PM	14256						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BARC	9:30:00 AM	14257						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	#BARC	11:30:00 AM	14258						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BARC	1:30:00 PM	14259						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BARC	3:30:00 PM	14260						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BHP	9:30:00 AM	14261						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BHP	11:30:00 AM	14262						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BHP	1:30:00 PM	14263						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BHP	3:30:00 PM	14264						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BIDU	9:30:00 AM	14265						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BIDU	11:30:00 AM	14266						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BIDU	1:30:00 PM	14267						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BIDU	3:30:00 PM	14268						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#Bitcoin	9:30:00 AM	14269						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#Bitcoin	11:30:00 AM	14270						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#Bitcoin	1:30:00 PM	14271						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#Bitcoin	3:30:00 PM	14272						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BK	9:30:00 AM	14273						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BK	11:30:00 AM	14274						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BK	1:30:00 PM	14275						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BK	3:30:00 PM	14276						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BLT	9:30:00 AM	14277						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BLT	11:30:00 AM	14278						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BLT	1:30:00 PM	14279						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BLT	3:30:00 PM	14280						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BP	9:30:00 AM	14281						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BP	11:30:00 AM	14282						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BP	1:30:00 PM	14283						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BP	3:30:00 PM	14284						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BTA	9:30:00 AM	14285						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BTA	11:30:00 AM	14286						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BTA	1:30:00 PM	14287						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#BTA	3:30:00 PM	14288						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#C	9:30:00 AM	14289						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#C	11:30:00 AM	14290						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#C	1:30:00 PM	14291						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	#C	3:30:00 PM	14292						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CAT	9:30:00 AM	14293						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CAT	11:30:00 AM	14294						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CAT	1:30:00 PM	14295						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CAT	3:30:00 PM	14296						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CHL	9:30:00 AM	14297						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CHL	11:30:00 AM	14298						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	#CHL	1:30:00 PM	14299						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#ORAN	3:30:00 PM	14520						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#S	11:30:00 AM	14558						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#S	3:30:00 PM	14560						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#T	3:30:00 PM	14576						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#TEVA	3:30:00 PM	14580						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#TRV	9:30:00 AM	14585						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#TSLA	3:30:00 PM	14596						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#UL	3:30:00 PM	14608						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	#XOM	3:30:00 PM	14644						Continuous Quote	N/A	ELECTRONIC	N/A
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10/13/2019	AUDNOK	11:30:00 AM	14698						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNOK	1:30:00 PM	14699						Continuous Quote	N/A	ELECTRONIC	N/A

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10/13/2019	AUDNOK.fx	11:30:00 AM	14702						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNOK.fx	1:30:00 PM	14703						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNOK.fx	3:30:00 PM	14704						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD	9:30:00 AM	14705						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD	11:30:00 AM	14706						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD	1:30:00 PM	14707						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD	3:30:00 PM	14708						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD.fx	9:30:00 AM	14709						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD.fx	11:30:00 AM	14710						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD.fx	1:30:00 PM	14711						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDNZD.fx	3:30:00 PM	14712						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDPLN	9:30:00 AM	14713						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDPLN	11:30:00 AM	14714						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDPLN	1:30:00 PM	14715						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDPLN	3:30:00 PM	14716						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK	9:30:00 AM	14717						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK	11:30:00 AM	14718						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK	1:30:00 PM	14719						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK	3:30:00 PM	14720						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK.fx	9:30:00 AM	14721						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK.fx	11:30:00 AM	14722						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK.fx	1:30:00 PM	14723						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSEK.fx	3:30:00 PM	14724						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD	9:30:00 AM	14725						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD	11:30:00 AM	14726						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD	1:30:00 PM	14727						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD	3:30:00 PM	14728						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD.fx	9:30:00 AM	14729						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD.fx	11:30:00 AM	14730						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD.fx	1:30:00 PM	14731						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDSGD.fx	3:30:00 PM	14732						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD	9:30:00 AM	14733						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	AUDUSD	11:30:00 AM	14734						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD	1:30:00 PM	14735						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD	3:30:00 PM	14736						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD.fx	9:30:00 AM	14737						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD.fx	11:30:00 AM	14738						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD.fx	1:30:00 PM	14739						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDUSD.fx	3:30:00 PM	14740						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDZAR	9:30:00 AM	14741						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDZAR	11:30:00 AM	14742						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDZAR	1:30:00 PM	14743						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUDZAR	3:30:00 PM	14744						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUS200.i	9:30:00 AM	14745						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUS200.i	11:30:00 AM	14746						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUS200.i	1:30:00 PM	14747						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	AUS200.i	3:30:00 PM	14748						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	BCHUSD	9:30:00 AM	14749						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	BCHUSD	11:30:00 AM	14750						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	BCHUSD	1:30:00 PM	14751						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	BCHUSD	3:30:00 PM	14752						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF	9:30:00 AM	14753						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF	11:30:00 AM	14754						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF	1:30:00 PM	14755						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF	3:30:00 PM	14756						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF.fx	9:30:00 AM	14757						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF.fx	11:30:00 AM	14758						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF.fx	1:30:00 PM	14759						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCHF.fx	3:30:00 PM	14760						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCZK	9:30:00 AM	14761						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCZK	11:30:00 AM	14762						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCZK	1:30:00 PM	14763						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADCZK	3:30:00 PM	14764						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADDDKK	9:30:00 AM	14765						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADDDKK	11:30:00 AM	14766						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADDDKK	1:30:00 PM	14767						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	CADDKK	3:30:00 PM	14768						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHKD	9:30:00 AM	14769						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHKD	11:30:00 AM	14770						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHKD	1:30:00 PM	14771						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHKD	3:30:00 PM	14772						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHUF	9:30:00 AM	14773						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHUF	11:30:00 AM	14774						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHUF	1:30:00 PM	14775						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADHUF	3:30:00 PM	14776						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY	9:30:00 AM	14777						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY	11:30:00 AM	14778						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY	1:30:00 PM	14779						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY	3:30:00 PM	14780						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY.fx	9:30:00 AM	14781						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY.fx	11:30:00 AM	14782						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY.fx	1:30:00 PM	14783						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADJPY.fx	3:30:00 PM	14784						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADMXN	9:30:00 AM	14785						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADMXN	11:30:00 AM	14786						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADMXN	1:30:00 PM	14787						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADMXN	3:30:00 PM	14788						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADNOK	9:30:00 AM	14789						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADNOK	11:30:00 AM	14790						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADNOK	1:30:00 PM	14791						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADNOK	3:30:00 PM	14792						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADPLN	9:30:00 AM	14793						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADPLN	11:30:00 AM	14794						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADPLN	1:30:00 PM	14795						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADPLN	3:30:00 PM	14796						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSEK	9:30:00 AM	14797						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSEK	11:30:00 AM	14798						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSEK	1:30:00 PM	14799						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSEK	3:30:00 PM	14800						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSGD	9:30:00 AM	14801						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	CADSGD	11:30:00 AM	14802						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSGD	1:30:00 PM	14803						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADSGD	3:30:00 PM	14804						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADZAR	9:30:00 AM	14805						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADZAR	11:30:00 AM	14806						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADZAR	1:30:00 PM	14807						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CADZAR	3:30:00 PM	14808						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFCZK	9:30:00 AM	14809						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFCZK	11:30:00 AM	14810						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFCZK	1:30:00 PM	14811						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFCZK	3:30:00 PM	14812						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK	9:30:00 AM	14813						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK	11:30:00 AM	14814						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK	1:30:00 PM	14815						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK	3:30:00 PM	14816						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK.fx	9:30:00 AM	14817						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK.fx	11:30:00 AM	14818						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK.fx	1:30:00 PM	14819						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFDKK.fx	3:30:00 PM	14820						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHKD	9:30:00 AM	14821						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHKD	11:30:00 AM	14822						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHKD	1:30:00 PM	14823						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHKD	3:30:00 PM	14824						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHUF	9:30:00 AM	14825						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHUF	11:30:00 AM	14826						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHUF	1:30:00 PM	14827						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFHUF	3:30:00 PM	14828						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY	9:30:00 AM	14829						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY	11:30:00 AM	14830						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY	1:30:00 PM	14831						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY	3:30:00 PM	14832						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY.fx	9:30:00 AM	14833						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY.fx	11:30:00 AM	14834						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFJPY.fx	1:30:00 PM	14835						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	CHFJPY.fx	3:30:00 PM	14836						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFMXN	9:30:00 AM	14837						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFMXN	11:30:00 AM	14838						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFMXN	1:30:00 PM	14839						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFMXN	3:30:00 PM	14840						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK	9:30:00 AM	14841						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK	11:30:00 AM	14842						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK	1:30:00 PM	14843						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK	3:30:00 PM	14844						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK.fx	9:30:00 AM	14845						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK.fx	11:30:00 AM	14846						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK.fx	1:30:00 PM	14847						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFNOK.fx	3:30:00 PM	14848						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN	9:30:00 AM	14849						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN	11:30:00 AM	14850						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN	1:30:00 PM	14851						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN	3:30:00 PM	14852						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN.fx	9:30:00 AM	14853						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN.fx	11:30:00 AM	14854						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN.fx	1:30:00 PM	14855						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFPLN.fx	3:30:00 PM	14856						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSEK	9:30:00 AM	14857						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSEK	11:30:00 AM	14858						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSEK	1:30:00 PM	14859						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSEK	3:30:00 PM	14860						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD	9:30:00 AM	14861						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD	11:30:00 AM	14862						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD	1:30:00 PM	14863						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD	3:30:00 PM	14864						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD.fx	9:30:00 AM	14865						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD.fx	11:30:00 AM	14866						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD.fx	1:30:00 PM	14867						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFSGD.fx	3:30:00 PM	14868						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFZAR	9:30:00 AM	14869						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	CHFZAR	11:30:00 AM	14870						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFZAR	1:30:00 PM	14871						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CHFZAR	3:30:00 PM	14872						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CZKJPY	9:30:00 AM	14873						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CZKJPY	11:30:00 AM	14874						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CZKJPY	1:30:00 PM	14875						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	CZKJPY	3:30:00 PM	14876						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DAX30.i	9:30:00 AM	14877						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DAX30.i	11:30:00 AM	14878						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DAX30.i	1:30:00 PM	14879						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DAX30.i	3:30:00 PM	14880						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DJ30.i	9:30:00 AM	14881						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DJ30.i	11:30:00 AM	14882						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DJ30.i	1:30:00 PM	14883						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DJ30.i	3:30:00 PM	14884						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DKKJPY	9:30:00 AM	14885						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DKKJPY	11:30:00 AM	14886						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DKKJPY	1:30:00 PM	14887						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	DKKJPY	3:30:00 PM	14888						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD	9:30:00 AM	14889						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD	11:30:00 AM	14890						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD	1:30:00 PM	14891						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD	3:30:00 PM	14892						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD.fx	9:30:00 AM	14893						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD.fx	11:30:00 AM	14894						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD.fx	1:30:00 PM	14895						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURAUD.fx	3:30:00 PM	14896						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD	9:30:00 AM	14897						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD	11:30:00 AM	14898						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD	1:30:00 PM	14899						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD	3:30:00 PM	14900						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD.fx	9:30:00 AM	14901						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD.fx	11:30:00 AM	14902						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCAD.fx	1:30:00 PM	14903						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	EURCAD.fx	3:30:00 PM	14904						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF	9:30:00 AM	14905						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF	11:30:00 AM	14906						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF	1:30:00 PM	14907						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF	3:30:00 PM	14908						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF.fx	9:30:00 AM	14909						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF.fx	11:30:00 AM	14910						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF.fx	1:30:00 PM	14911						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCHF.fx	3:30:00 PM	14912						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCZK	9:30:00 AM	14913						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCZK	11:30:00 AM	14914						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCZK	1:30:00 PM	14915						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURCZK	3:30:00 PM	14916						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURDKK	9:30:00 AM	14917						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURDKK	11:30:00 AM	14918						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURDKK	1:30:00 PM	14919						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURDKK	3:30:00 PM	14920						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP	9:30:00 AM	14921						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP	11:30:00 AM	14922						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP	1:30:00 PM	14923						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP	3:30:00 PM	14924						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP.fx	9:30:00 AM	14925						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP.fx	11:30:00 AM	14926						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP.fx	1:30:00 PM	14927						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURGBP.fx	3:30:00 PM	14928						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD	9:30:00 AM	14929						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD	11:30:00 AM	14930						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD	1:30:00 PM	14931						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD	3:30:00 PM	14932						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD.fx	9:30:00 AM	14933						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD.fx	11:30:00 AM	14934						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD.fx	1:30:00 PM	14935						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHKD.fx	3:30:00 PM	14936						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF	9:30:00 AM	14937						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	EURHUF	11:30:00 AM	14938						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF	1:30:00 PM	14939						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF	3:30:00 PM	14940						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF.fx	9:30:00 AM	14941						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF.fx	11:30:00 AM	14942						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF.fx	1:30:00 PM	14943						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURHUF.fx	3:30:00 PM	14944						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY	9:30:00 AM	14945						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY	11:30:00 AM	14946						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY	1:30:00 PM	14947						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY	3:30:00 PM	14948						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY.fx	9:30:00 AM	14949						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY.fx	11:30:00 AM	14950						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY.fx	1:30:00 PM	14951						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURJPY.fx	3:30:00 PM	14952						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN	9:30:00 AM	14953						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN	11:30:00 AM	14954						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN	1:30:00 PM	14955						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN	3:30:00 PM	14956						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN.fx	9:30:00 AM	14957						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN.fx	11:30:00 AM	14958						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN.fx	1:30:00 PM	14959						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURMXN.fx	3:30:00 PM	14960						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK	9:30:00 AM	14961						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK	11:30:00 AM	14962						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK	1:30:00 PM	14963						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK	3:30:00 PM	14964						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK.fx	9:30:00 AM	14965						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK.fx	11:30:00 AM	14966						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK.fx	1:30:00 PM	14967						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNOK.fx	3:30:00 PM	14968						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD	9:30:00 AM	14969						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD	11:30:00 AM	14970						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD	1:30:00 PM	14971						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	EURNZD	3:30:00 PM	14972						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD.fx	9:30:00 AM	14973						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD.fx	11:30:00 AM	14974						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD.fx	1:30:00 PM	14975						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURNZD.fx	3:30:00 PM	14976						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN	9:30:00 AM	14977						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN	11:30:00 AM	14978						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN	1:30:00 PM	14979						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN	3:30:00 PM	14980						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN.fx	9:30:00 AM	14981						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN.fx	11:30:00 AM	14982						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN.fx	1:30:00 PM	14983						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURPLN.fx	3:30:00 PM	14984						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURRUB	9:30:00 AM	14985						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURRUB	11:30:00 AM	14986						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURRUB	1:30:00 PM	14987						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURRUB	3:30:00 PM	14988						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK	9:30:00 AM	14989						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK	11:30:00 AM	14990						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK	1:30:00 PM	14991						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK	3:30:00 PM	14992						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK.fx	9:30:00 AM	14993						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK.fx	11:30:00 AM	14994						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK.fx	1:30:00 PM	14995						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSEK.fx	3:30:00 PM	14996						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD	9:30:00 AM	14997						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD	11:30:00 AM	14998						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD	1:30:00 PM	14999						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD	3:30:00 PM	15000						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD.fx	9:30:00 AM	15001						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD.fx	11:30:00 AM	15002						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD.fx	1:30:00 PM	15003						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURSGD.fx	3:30:00 PM	15004						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD	9:30:00 AM	15005						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	EURUSD	11:30:00 AM	15006						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD	1:30:00 PM	15007						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD	3:30:00 PM	15008						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD.fx	9:30:00 AM	15009						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD.fx	11:30:00 AM	15010						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD.fx	1:30:00 PM	15011						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURUSD.fx	3:30:00 PM	15012						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR	9:30:00 AM	15013						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR	11:30:00 AM	15014						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR	1:30:00 PM	15015						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR	3:30:00 PM	15016						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR.fx	9:30:00 AM	15017						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR.fx	11:30:00 AM	15018						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR.fx	1:30:00 PM	15019						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	EURZAR.fx	3:30:00 PM	15020						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD	9:30:00 AM	15021						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD	11:30:00 AM	15022						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD	1:30:00 PM	15023						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD	3:30:00 PM	15024						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD.fx	9:30:00 AM	15025						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD.fx	11:30:00 AM	15026						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD.fx	1:30:00 PM	15027						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPAUD.fx	3:30:00 PM	15028						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD	9:30:00 AM	15029						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD	11:30:00 AM	15030						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD	1:30:00 PM	15031						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD	3:30:00 PM	15032						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD.fx	9:30:00 AM	15033						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD.fx	11:30:00 AM	15034						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD.fx	1:30:00 PM	15035						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCAD.fx	3:30:00 PM	15036						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF	9:30:00 AM	15037						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF	11:30:00 AM	15038						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF	1:30:00 PM	15039						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	GBPCHF	3:30:00 PM	15040						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF.fx	9:30:00 AM	15041						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF.fx	11:30:00 AM	15042						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF.fx	1:30:00 PM	15043						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCHF.fx	3:30:00 PM	15044						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCZK	9:30:00 AM	15045						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCZK	11:30:00 AM	15046						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCZK	1:30:00 PM	15047						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPCZK	3:30:00 PM	15048						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK	9:30:00 AM	15049						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK	11:30:00 AM	15050						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK	1:30:00 PM	15051						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK	3:30:00 PM	15052						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK.fx	9:30:00 AM	15053						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK.fx	11:30:00 AM	15054						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK.fx	1:30:00 PM	15055						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPDKK.fx	3:30:00 PM	15056						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHKD	9:30:00 AM	15057						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHKD	11:30:00 AM	15058						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHKD	1:30:00 PM	15059						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHKD	3:30:00 PM	15060						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHUF	9:30:00 AM	15061						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHUF	11:30:00 AM	15062						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHUF	1:30:00 PM	15063						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPHUF	3:30:00 PM	15064						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY	9:30:00 AM	15065						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY	11:30:00 AM	15066						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY	1:30:00 PM	15067						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY	3:30:00 PM	15068						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY.fx	9:30:00 AM	15069						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY.fx	11:30:00 AM	15070						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY.fx	1:30:00 PM	15071						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPJPY.fx	3:30:00 PM	15072						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPMXN	9:30:00 AM	15073						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	GBPMXN	11:30:00 AM	15074						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPMXN	1:30:00 PM	15075						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPMXN	3:30:00 PM	15076						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK	9:30:00 AM	15077						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK	11:30:00 AM	15078						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK	1:30:00 PM	15079						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK	3:30:00 PM	15080						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK.fx	9:30:00 AM	15081						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK.fx	11:30:00 AM	15082						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK.fx	1:30:00 PM	15083						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNOK.fx	3:30:00 PM	15084						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD	9:30:00 AM	15085						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD	11:30:00 AM	15086						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD	1:30:00 PM	15087						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD	3:30:00 PM	15088						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD.fx	9:30:00 AM	15089						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD.fx	11:30:00 AM	15090						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD.fx	1:30:00 PM	15091						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPNZD.fx	3:30:00 PM	15092						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN	9:30:00 AM	15093						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN	11:30:00 AM	15094						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN	1:30:00 PM	15095						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN	3:30:00 PM	15096						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN.fx	9:30:00 AM	15097						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN.fx	11:30:00 AM	15098						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN.fx	1:30:00 PM	15099						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPPLN.fx	3:30:00 PM	15100						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK	9:30:00 AM	15101						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK	11:30:00 AM	15102						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK	1:30:00 PM	15103						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK	3:30:00 PM	15104						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK.fx	9:30:00 AM	15105						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK.fx	11:30:00 AM	15106						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSEK.fx	1:30:00 PM	15107						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	GBPSEK.fx	3:30:00 PM	15108						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD	9:30:00 AM	15109						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD	11:30:00 AM	15110						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD	1:30:00 PM	15111						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD	3:30:00 PM	15112						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD.fx	9:30:00 AM	15113						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD.fx	11:30:00 AM	15114						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD.fx	1:30:00 PM	15115						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPSGD.fx	3:30:00 PM	15116						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD	9:30:00 AM	15117						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD	11:30:00 AM	15118						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD	1:30:00 PM	15119						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD	3:30:00 PM	15120						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD.fx	9:30:00 AM	15121						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD.fx	11:30:00 AM	15122						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD.fx	1:30:00 PM	15123						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPUUSD.fx	3:30:00 PM	15124						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR	9:30:00 AM	15125						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR	11:30:00 AM	15126						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR	1:30:00 PM	15127						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR	3:30:00 PM	15128						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR.fx	9:30:00 AM	15129						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR.fx	11:30:00 AM	15130						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR.fx	1:30:00 PM	15131						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GBPZAR.fx	3:30:00 PM	15132						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GOLD	9:30:00 AM	15133						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GOLD	11:30:00 AM	15134						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GOLD	1:30:00 PM	15135						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	GOLD	3:30:00 PM	15136						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY	9:30:00 AM	15137						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY	11:30:00 AM	15138						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY	1:30:00 PM	15139						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY	3:30:00 PM	15140						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY.fx	9:30:00 AM	15141						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	HKDJPY.fx	11:30:00 AM	15142						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY.fx	1:30:00 PM	15143						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HKDJPY.fx	3:30:00 PM	15144						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HUFJPY	9:30:00 AM	15145						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HUFJPY	11:30:00 AM	15146						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HUFJPY	1:30:00 PM	15147						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	HUFJPY	3:30:00 PM	15148						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JP225.i	9:30:00 AM	15149						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JP225.i	11:30:00 AM	15150						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JP225.i	1:30:00 PM	15151						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JP225.i	3:30:00 PM	15152						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	MXNJPY	9:30:00 AM	15153						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	MXNJPY	11:30:00 AM	15154						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	MXNJPY	1:30:00 PM	15155						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	MXNJPY	3:30:00 PM	15156						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NASDAQ.i	9:30:00 AM	15157						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NASDAQ.i	11:30:00 AM	15158						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NASDAQ.i	1:30:00 PM	15159						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NASDAQ.i	3:30:00 PM	15160						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY	9:30:00 AM	15161						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY	11:30:00 AM	15162						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY	1:30:00 PM	15163						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY	3:30:00 PM	15164						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY.fx	9:30:00 AM	15165						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY.fx	11:30:00 AM	15166						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY.fx	1:30:00 PM	15167						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NOKJPY.fx	3:30:00 PM	15168						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD	9:30:00 AM	15169						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD	11:30:00 AM	15170						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD	1:30:00 PM	15171						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD	3:30:00 PM	15172						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD.fx	9:30:00 AM	15173						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD.fx	11:30:00 AM	15174						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCAD.fx	1:30:00 PM	15175						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	NZDCAD.fx	3:30:00 PM	15176						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF	9:30:00 AM	15177						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF	11:30:00 AM	15178						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF	1:30:00 PM	15179						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF	3:30:00 PM	15180						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF.fx	9:30:00 AM	15181						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF.fx	11:30:00 AM	15182						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF.fx	1:30:00 PM	15183						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCHF.fx	3:30:00 PM	15184						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCZK	9:30:00 AM	15185						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCZK	11:30:00 AM	15186						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCZK	1:30:00 PM	15187						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDCZK	3:30:00 PM	15188						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDDKK	9:30:00 AM	15189						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDDKK	11:30:00 AM	15190						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDDKK	1:30:00 PM	15191						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDDKK	3:30:00 PM	15192						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHKD	9:30:00 AM	15193						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHKD	11:30:00 AM	15194						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHKD	1:30:00 PM	15195						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHKD	3:30:00 PM	15196						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHUF	9:30:00 AM	15197						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHUF	11:30:00 AM	15198						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHUF	1:30:00 PM	15199						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDHUF	3:30:00 PM	15200						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY	9:30:00 AM	15201						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY	11:30:00 AM	15202						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY	1:30:00 PM	15203						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY	3:30:00 PM	15204						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY.fx	9:30:00 AM	15205						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY.fx	11:30:00 AM	15206						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY.fx	1:30:00 PM	15207						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDJPY.fx	3:30:00 PM	15208						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDMXN	9:30:00 AM	15209						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	NZDMXN	11:30:00 AM	15210						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDMXN	1:30:00 PM	15211						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDMXN	3:30:00 PM	15212						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDNOK	9:30:00 AM	15213						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDNOK	11:30:00 AM	15214						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDNOK	1:30:00 PM	15215						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDNOK	3:30:00 PM	15216						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDPLN	9:30:00 AM	15217						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDPLN	11:30:00 AM	15218						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDPLN	1:30:00 PM	15219						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDPLN	3:30:00 PM	15220						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSEK	9:30:00 AM	15221						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSEK	11:30:00 AM	15222						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSEK	1:30:00 PM	15223						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSEK	3:30:00 PM	15224						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD	9:30:00 AM	15225						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD	11:30:00 AM	15226						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD	1:30:00 PM	15227						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD	3:30:00 PM	15228						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD.fx	9:30:00 AM	15229						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD.fx	11:30:00 AM	15230						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD.fx	1:30:00 PM	15231						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDSGD.fx	3:30:00 PM	15232						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD	9:30:00 AM	15233						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD	11:30:00 AM	15234						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD	1:30:00 PM	15235						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD	3:30:00 PM	15236						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD.fx	9:30:00 AM	15237						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD.fx	11:30:00 AM	15238						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD.fx	1:30:00 PM	15239						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDUSD.fx	3:30:00 PM	15240						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDZAR	9:30:00 AM	15241						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDZAR	11:30:00 AM	15242						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	NZDZAR	1:30:00 PM	15243						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	NZDZAR	3:30:00 PM	15244						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY	9:30:00 AM	15245						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY	11:30:00 AM	15246						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY	1:30:00 PM	15247						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY	3:30:00 PM	15248						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY.fx	9:30:00 AM	15249						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY.fx	11:30:00 AM	15250						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY.fx	1:30:00 PM	15251						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SEKJPY.fx	3:30:00 PM	15252						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SGDJPY	9:30:00 AM	15253						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SGDJPY	11:30:00 AM	15254						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SGDJPY	1:30:00 PM	15255						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SGDJPY	3:30:00 PM	15256						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SILVER	9:30:00 AM	15257						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SILVER	11:30:00 AM	15258						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SILVER	1:30:00 PM	15259						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SILVER	3:30:00 PM	15260						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SPX500.i	9:30:00 AM	15261						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SPX500.i	11:30:00 AM	15262						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SPX500.i	1:30:00 PM	15263						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	SPX500.i	3:30:00 PM	15264						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	UK100.i	9:30:00 AM	15265						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	UK100.i	11:30:00 AM	15266						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	UK100.i	1:30:00 PM	15267						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	UK100.i	3:30:00 PM	15268						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD	9:30:00 AM	15269						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD	11:30:00 AM	15270						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD	1:30:00 PM	15271						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD	3:30:00 PM	15272						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD.fx	9:30:00 AM	15273						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD.fx	11:30:00 AM	15274						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD.fx	1:30:00 PM	15275						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCAD.fx	3:30:00 PM	15276						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHF	9:30:00 AM	15277						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	USDCHE	11:30:00 AM	15278						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE	1:30:00 PM	15279						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE	3:30:00 PM	15280						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE.fx	9:30:00 AM	15281						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE.fx	11:30:00 AM	15282						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE.fx	1:30:00 PM	15283						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCHE.fx	3:30:00 PM	15284						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK	9:30:00 AM	15285						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK	11:30:00 AM	15286						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK	1:30:00 PM	15287						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK	3:30:00 PM	15288						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK.fx	9:30:00 AM	15289						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK.fx	11:30:00 AM	15290						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK.fx	1:30:00 PM	15291						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDCZK.fx	3:30:00 PM	15292						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK	9:30:00 AM	15293						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK	11:30:00 AM	15294						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK	1:30:00 PM	15295						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK	3:30:00 PM	15296						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK.fx	9:30:00 AM	15297						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK.fx	11:30:00 AM	15298						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK.fx	1:30:00 PM	15299						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDDKK.fx	3:30:00 PM	15300						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD	9:30:00 AM	15301						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD	11:30:00 AM	15302						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD	1:30:00 PM	15303						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD	3:30:00 PM	15304						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD.fx	9:30:00 AM	15305						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD.fx	11:30:00 AM	15306						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD.fx	1:30:00 PM	15307						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHKD.fx	3:30:00 PM	15308						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF	9:30:00 AM	15309						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF	11:30:00 AM	15310						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF	1:30:00 PM	15311						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	USDHUF	3:30:00 PM	15312						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF.fx	9:30:00 AM	15313						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF.fx	11:30:00 AM	15314						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF.fx	1:30:00 PM	15315						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDHUF.fx	3:30:00 PM	15316						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDINR	9:30:00 AM	15317						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDINR	11:30:00 AM	15318						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDINR	1:30:00 PM	15319						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDINR	3:30:00 PM	15320						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY	9:30:00 AM	15321						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY	11:30:00 AM	15322						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY	1:30:00 PM	15323						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY	3:30:00 PM	15324						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY.fx	9:30:00 AM	15325						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY.fx	11:30:00 AM	15326						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY.fx	1:30:00 PM	15327						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDJPY.fx	3:30:00 PM	15328						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDMXN	9:30:00 AM	15329						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDMXN	11:30:00 AM	15330						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDMXN	1:30:00 PM	15331						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDMXN	3:30:00 PM	15332						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JSDMXN.fx	9:30:00 AM	15333						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JSDMXN.fx	11:30:00 AM	15334						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JSDMXN.fx	1:30:00 PM	15335						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	JSDMXN.fx	3:30:00 PM	15336						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK	9:30:00 AM	15337						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK	11:30:00 AM	15338						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK	1:30:00 PM	15339						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK	3:30:00 PM	15340						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK.fx	9:30:00 AM	15341						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK.fx	11:30:00 AM	15342						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK.fx	1:30:00 PM	15343						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDNOK.fx	3:30:00 PM	15344						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN	9:30:00 AM	15345						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	USDPLN	11:30:00 AM	15346						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN	1:30:00 PM	15347						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN	3:30:00 PM	15348						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN.fx	9:30:00 AM	15349						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN.fx	11:30:00 AM	15350						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN.fx	1:30:00 PM	15351						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDPLN.fx	3:30:00 PM	15352						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDRUB	9:30:00 AM	15353						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDRUB	11:30:00 AM	15354						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDRUB	1:30:00 PM	15355						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDRUB	3:30:00 PM	15356						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK	9:30:00 AM	15357						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK	11:30:00 AM	15358						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK	1:30:00 PM	15359						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK	3:30:00 PM	15360						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK.fx	9:30:00 AM	15361						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK.fx	11:30:00 AM	15362						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK.fx	1:30:00 PM	15363						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSEK.fx	3:30:00 PM	15364						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD	9:30:00 AM	15365						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD	11:30:00 AM	15366						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD	1:30:00 PM	15367						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD	3:30:00 PM	15368						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD.fx	9:30:00 AM	15369						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD.fx	11:30:00 AM	15370						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD.fx	1:30:00 PM	15371						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDSGD.fx	3:30:00 PM	15372						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR	9:30:00 AM	15373						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR	11:30:00 AM	15374						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR	1:30:00 PM	15375						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR	3:30:00 PM	15376						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR.fx	9:30:00 AM	15377						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR.fx	11:30:00 AM	15378						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	USDZAR.fx	1:30:00 PM	15379						Continuous Quote	N/A	ELECTRONIC	N/A

10/13/2019	USDZAR.fx	3:30:00 PM	15380						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	XAUUSD	9:30:00 AM	15381						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	XAUUSD	11:30:00 AM	15382						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	XAUUSD	1:30:00 PM	15383						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	XAUUSD	3:30:00 PM	15384						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY	9:30:00 AM	15385						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY	11:30:00 AM	15386						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY	1:30:00 PM	15387						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY	3:30:00 PM	15388						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY.fx	9:30:00 AM	15389						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY.fx	11:30:00 AM	15390						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY.fx	1:30:00 PM	15391						Continuous Quote	N/A	ELECTRONIC	N/A
10/13/2019	ZARJPY.fx	3:30:00 PM	15392						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AA	11:30:00 AM	15394						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AA	1:30:00 PM	15395						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AA	3:30:00 PM	15396						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AABA	9:30:00 AM	15397						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AABA	11:30:00 AM	15398						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AAL	9:30:00 AM	15401						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AAL	11:30:00 AM	15402						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AAL	1:30:00 PM	15403						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AAL	3:30:00 PM	15404						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AAPL	9:30:00 AM	15405						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AAPL	1:30:00 PM	15407						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AAPL	3:30:00 PM	15408						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#ADBE	9:30:00 AM	15409						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#ADBE	11:30:00 AM	15410						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#ADBE	1:30:00 PM	15411						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#ADBE	3:30:00 PM	15412						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AIG	9:30:00 AM	15413						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	#AIG	11:30:00 AM	15414						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AIG	3:30:00 PM	15416						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AMD	11:30:00 AM	15418						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AMD	1:30:00 PM	15419						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AMD	3:30:00 PM	15420						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AMZN	11:30:00 AM	15422						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AMZN	1:30:00 PM	15423						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#AMZN	3:30:00 PM	15424						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AXP	11:30:00 AM	15426						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#AXP	3:30:00 PM	15428						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BA	9:30:00 AM	15429						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BA	11:30:00 AM	15430						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BA	1:30:00 PM	15431						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BA	3:30:00 PM	15432						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BABA	9:30:00 AM	15433						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BABA	11:30:00 AM	15434						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BABA	1:30:00 PM	15435						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BABA	3:30:00 PM	15436						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#BARC	3:30:00 PM	15444						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BHP	9:30:00 AM	15445						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BHP	11:30:00 AM	15446						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BHP	1:30:00 PM	15447						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	#BHP	3:30:00 PM	15448						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#BK	9:30:00 AM	15457						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#BK	1:30:00 PM	15459						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BK	3:30:00 PM	15460						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BLT	9:30:00 AM	15461						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BLT	11:30:00 AM	15462						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BLT	1:30:00 PM	15463						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BLT	3:30:00 PM	15464						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#BP	11:30:00 AM	15466						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BP	1:30:00 PM	15467						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BP	3:30:00 PM	15468						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BTA	9:30:00 AM	15469						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BTA	11:30:00 AM	15470						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BTA	1:30:00 PM	15471						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#BTA	3:30:00 PM	15472						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#C	9:30:00 AM	15473						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#C	1:30:00 PM	15475						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#CAT	1:30:00 PM	15479						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#CAT	3:30:00 PM	15480						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#CHL	9:30:00 AM	15481						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	#CHL	11:30:00 AM	15482						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#CHL	3:30:00 PM	15484						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#CL.f	9:30:00 AM	15485						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	#CL.f	11:30:00 AM	15486						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#PEP	3:30:00 PM	15716						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#POT	1:30:00 PM	15727						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#S	3:30:00 PM	15744						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#TRI	11:30:00 AM	15766						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#TRI	3:30:00 PM	15768						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#TWTR	3:30:00 PM	15784						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	#UBS	11:30:00 AM	15786						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	AUDNOK	3:30:00 PM	15884						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	AUDNOK.fx	1:30:00 PM	15887						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	AUDNZD	1:30:00 PM	15891						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDNZD	3:30:00 PM	15892						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDNZD.fx	9:30:00 AM	15893						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDNZD.fx	11:30:00 AM	15894						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDNZD.fx	1:30:00 PM	15895						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDNZD.fx	3:30:00 PM	15896						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDPLN	9:30:00 AM	15897						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDPLN	11:30:00 AM	15898						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDPLN	1:30:00 PM	15899						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDPLN	3:30:00 PM	15900						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK	9:30:00 AM	15901						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK	11:30:00 AM	15902						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK	1:30:00 PM	15903						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK	3:30:00 PM	15904						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK.fx	9:30:00 AM	15905						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK.fx	11:30:00 AM	15906						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK.fx	1:30:00 PM	15907						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSEK.fx	3:30:00 PM	15908						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD	9:30:00 AM	15909						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD	11:30:00 AM	15910						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD	1:30:00 PM	15911						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD	3:30:00 PM	15912						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD.fx	9:30:00 AM	15913						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD.fx	11:30:00 AM	15914						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD.fx	1:30:00 PM	15915						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDSGD.fx	3:30:00 PM	15916						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	AUDUSD	11:30:00 AM	15918						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDUSD	1:30:00 PM	15919						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDUSD	3:30:00 PM	15920						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDUSD.fx	9:30:00 AM	15921						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDUSD.fx	11:30:00 AM	15922						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDUSD.fx	1:30:00 PM	15923						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	AUDUSD.fx	3:30:00 PM	15924						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDZAR	9:30:00 AM	15925						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDZAR	11:30:00 AM	15926						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDZAR	1:30:00 PM	15927						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUDZAR	3:30:00 PM	15928						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUS200.i	9:30:00 AM	15929						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUS200.i	11:30:00 AM	15930						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUS200.i	1:30:00 PM	15931						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	AUS200.i	3:30:00 PM	15932						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	BCHUSD	9:30:00 AM	15933						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	BCHUSD	11:30:00 AM	15934						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	BCHUSD	1:30:00 PM	15935						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	BCHUSD	3:30:00 PM	15936						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF	9:30:00 AM	15937						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF	11:30:00 AM	15938						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF	1:30:00 PM	15939						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF	3:30:00 PM	15940						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF.fx	9:30:00 AM	15941						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF.fx	11:30:00 AM	15942						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF.fx	1:30:00 PM	15943						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCHF.fx	3:30:00 PM	15944						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCZK	9:30:00 AM	15945						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCZK	11:30:00 AM	15946						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCZK	1:30:00 PM	15947						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADCZK	3:30:00 PM	15948						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADDDKK	9:30:00 AM	15949						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADDDKK	11:30:00 AM	15950						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADDDKK	1:30:00 PM	15951						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADDDKK	3:30:00 PM	15952						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHKD	9:30:00 AM	15953						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHKD	11:30:00 AM	15954						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHKD	1:30:00 PM	15955						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHKD	3:30:00 PM	15956						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHUF	9:30:00 AM	15957						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	CADHUF	11:30:00 AM	15958						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHUF	1:30:00 PM	15959						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADHUF	3:30:00 PM	15960						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY	9:30:00 AM	15961						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY	11:30:00 AM	15962						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY	1:30:00 PM	15963						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY	3:30:00 PM	15964						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	CADJPY.fx	11:30:00 AM	15966						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY.fx	1:30:00 PM	15967						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADJPY.fx	3:30:00 PM	15968						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADMXN	9:30:00 AM	15969						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADMXN	11:30:00 AM	15970						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADMXN	1:30:00 PM	15971						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADMXN	3:30:00 PM	15972						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADNOK	9:30:00 AM	15973						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADNOK	11:30:00 AM	15974						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADNOK	1:30:00 PM	15975						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADNOK	3:30:00 PM	15976						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADPLN	9:30:00 AM	15977						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADPLN	11:30:00 AM	15978						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADPLN	1:30:00 PM	15979						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADPLN	3:30:00 PM	15980						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSEK	9:30:00 AM	15981						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSEK	11:30:00 AM	15982						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSEK	1:30:00 PM	15983						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSEK	3:30:00 PM	15984						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSGD	9:30:00 AM	15985						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSGD	11:30:00 AM	15986						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSGD	1:30:00 PM	15987						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADSGD	3:30:00 PM	15988						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADZAR	9:30:00 AM	15989						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADZAR	11:30:00 AM	15990						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CADZAR	1:30:00 PM	15991						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	CADZAR	3:30:00 PM	15992						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFCZK	9:30:00 AM	15993						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFCZK	11:30:00 AM	15994						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFCZK	1:30:00 PM	15995						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFCZK	3:30:00 PM	15996						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK	9:30:00 AM	15997						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK	11:30:00 AM	15998						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK	1:30:00 PM	15999						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK	3:30:00 PM	16000						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK.fx	9:30:00 AM	16001						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK.fx	11:30:00 AM	16002						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK.fx	1:30:00 PM	16003						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFDKK.fx	3:30:00 PM	16004						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHKD	9:30:00 AM	16005						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHKD	11:30:00 AM	16006						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHKD	1:30:00 PM	16007						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHKD	3:30:00 PM	16008						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHUF	9:30:00 AM	16009						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHUF	11:30:00 AM	16010						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHUF	1:30:00 PM	16011						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFHUF	3:30:00 PM	16012						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY	9:30:00 AM	16013						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY	11:30:00 AM	16014						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	CHFJPY	3:30:00 PM	16016						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY.fx	9:30:00 AM	16017						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY.fx	11:30:00 AM	16018						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY.fx	1:30:00 PM	16019						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFJPY.fx	3:30:00 PM	16020						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFMXN	9:30:00 AM	16021						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFMXN	11:30:00 AM	16022						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFMXN	1:30:00 PM	16023						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFMXN	3:30:00 PM	16024						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK	9:30:00 AM	16025						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	CHFNOK	11:30:00 AM	16026						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK	1:30:00 PM	16027						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK	3:30:00 PM	16028						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK.fx	9:30:00 AM	16029						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK.fx	11:30:00 AM	16030						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK.fx	1:30:00 PM	16031						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFNOK.fx	3:30:00 PM	16032						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFPLN	9:30:00 AM	16033						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFPLN	11:30:00 AM	16034						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	CHFPLN	3:30:00 PM	16036						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	CHFPLN.fx	3:30:00 PM	16040						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFSEK	9:30:00 AM	16041						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFSEK	11:30:00 AM	16042						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	CHFZAR	11:30:00 AM	16054						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFZAR	1:30:00 PM	16055						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CHFZAR	3:30:00 PM	16056						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CZKJPY	9:30:00 AM	16057						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CZKJPY	11:30:00 AM	16058						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	CZKJPY	1:30:00 PM	16059						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	CZKJPY	3:30:00 PM	16060						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DAX30.i	9:30:00 AM	16061						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DAX30.i	11:30:00 AM	16062						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DAX30.i	1:30:00 PM	16063						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DAX30.i	3:30:00 PM	16064						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DJ30.i	9:30:00 AM	16065						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DJ30.i	11:30:00 AM	16066						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DJ30.i	1:30:00 PM	16067						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DJ30.i	3:30:00 PM	16068						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DKKJPY	9:30:00 AM	16069						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DKKJPY	11:30:00 AM	16070						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DKKJPY	1:30:00 PM	16071						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	DKKJPY	3:30:00 PM	16072						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD	9:30:00 AM	16073						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD	11:30:00 AM	16074						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD	1:30:00 PM	16075						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD	3:30:00 PM	16076						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD.fx	9:30:00 AM	16077						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD.fx	11:30:00 AM	16078						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD.fx	1:30:00 PM	16079						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURAUD.fx	3:30:00 PM	16080						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD	9:30:00 AM	16081						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD	11:30:00 AM	16082						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD	1:30:00 PM	16083						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD	3:30:00 PM	16084						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	EURCAD.fx	11:30:00 AM	16086						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD.fx	1:30:00 PM	16087						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCAD.fx	3:30:00 PM	16088						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF	9:30:00 AM	16089						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF	11:30:00 AM	16090						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF	1:30:00 PM	16091						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF	3:30:00 PM	16092						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF.fx	9:30:00 AM	16093						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	EURCHF.fx	11:30:00 AM	16094						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF.fx	1:30:00 PM	16095						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCHF.fx	3:30:00 PM	16096						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCZK	9:30:00 AM	16097						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCZK	11:30:00 AM	16098						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCZK	1:30:00 PM	16099						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURCZK	3:30:00 PM	16100						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURDKK	9:30:00 AM	16101						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURDKK	11:30:00 AM	16102						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURDKK	1:30:00 PM	16103						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURDKK	3:30:00 PM	16104						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP	9:30:00 AM	16105						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP	11:30:00 AM	16106						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP	1:30:00 PM	16107						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP	3:30:00 PM	16108						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP.fx	9:30:00 AM	16109						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP.fx	11:30:00 AM	16110						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP.fx	1:30:00 PM	16111						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURGBP.fx	3:30:00 PM	16112						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD	9:30:00 AM	16113						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD	11:30:00 AM	16114						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD	1:30:00 PM	16115						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD	3:30:00 PM	16116						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD.fx	9:30:00 AM	16117						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD.fx	11:30:00 AM	16118						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD.fx	1:30:00 PM	16119						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHKD.fx	3:30:00 PM	16120						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF	9:30:00 AM	16121						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF	11:30:00 AM	16122						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF	1:30:00 PM	16123						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF	3:30:00 PM	16124						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF.fx	9:30:00 AM	16125						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF.fx	11:30:00 AM	16126						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURHUF.fx	1:30:00 PM	16127						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	EURHUF.fx	3:30:00 PM	16128						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY	9:30:00 AM	16129						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY	11:30:00 AM	16130						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY	1:30:00 PM	16131						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY	3:30:00 PM	16132						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY.fx	9:30:00 AM	16133						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY.fx	11:30:00 AM	16134						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY.fx	1:30:00 PM	16135						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURJPY.fx	3:30:00 PM	16136						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN	9:30:00 AM	16137						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN	11:30:00 AM	16138						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN	1:30:00 PM	16139						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN	3:30:00 PM	16140						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN.fx	9:30:00 AM	16141						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN.fx	11:30:00 AM	16142						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN.fx	1:30:00 PM	16143						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURMXN.fx	3:30:00 PM	16144						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK	9:30:00 AM	16145						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK	11:30:00 AM	16146						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK	1:30:00 PM	16147						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK	3:30:00 PM	16148						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK.fx	9:30:00 AM	16149						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK.fx	11:30:00 AM	16150						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK.fx	1:30:00 PM	16151						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNOK.fx	3:30:00 PM	16152						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD	9:30:00 AM	16153						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD	11:30:00 AM	16154						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD	1:30:00 PM	16155						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD	3:30:00 PM	16156						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD.fx	9:30:00 AM	16157						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD.fx	11:30:00 AM	16158						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD.fx	1:30:00 PM	16159						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURNZD.fx	3:30:00 PM	16160						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN	9:30:00 AM	16161						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	EURPLN	11:30:00 AM	16162						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN	1:30:00 PM	16163						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN	3:30:00 PM	16164						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN.fx	9:30:00 AM	16165						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN.fx	11:30:00 AM	16166						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN.fx	1:30:00 PM	16167						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURPLN.fx	3:30:00 PM	16168						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURRUB	9:30:00 AM	16169						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURRUB	11:30:00 AM	16170						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURRUB	1:30:00 PM	16171						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURRUB	3:30:00 PM	16172						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK	9:30:00 AM	16173						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK	11:30:00 AM	16174						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK	1:30:00 PM	16175						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK	3:30:00 PM	16176						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK.fx	9:30:00 AM	16177						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK.fx	11:30:00 AM	16178						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK.fx	1:30:00 PM	16179						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSEK.fx	3:30:00 PM	16180						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD	9:30:00 AM	16181						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD	11:30:00 AM	16182						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD	1:30:00 PM	16183						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD	3:30:00 PM	16184						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD.fx	9:30:00 AM	16185						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD.fx	11:30:00 AM	16186						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD.fx	1:30:00 PM	16187						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURSGD.fx	3:30:00 PM	16188						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD	9:30:00 AM	16189						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD	11:30:00 AM	16190						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD	1:30:00 PM	16191						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD	3:30:00 PM	16192						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD.fx	9:30:00 AM	16193						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD.fx	11:30:00 AM	16194						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURUSD.fx	1:30:00 PM	16195						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	EURUSD.fx	3:30:00 PM	16196						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR	9:30:00 AM	16197						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR	11:30:00 AM	16198						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR	1:30:00 PM	16199						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR	3:30:00 PM	16200						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR.fx	9:30:00 AM	16201						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR.fx	11:30:00 AM	16202						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR.fx	1:30:00 PM	16203						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	EURZAR.fx	3:30:00 PM	16204						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD	9:30:00 AM	16205						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD	11:30:00 AM	16206						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD	1:30:00 PM	16207						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD	3:30:00 PM	16208						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD.fx	9:30:00 AM	16209						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD.fx	11:30:00 AM	16210						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD.fx	1:30:00 PM	16211						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPAUD.fx	3:30:00 PM	16212						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD	9:30:00 AM	16213						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD	11:30:00 AM	16214						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD	1:30:00 PM	16215						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD	3:30:00 PM	16216						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD.fx	9:30:00 AM	16217						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD.fx	11:30:00 AM	16218						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD.fx	1:30:00 PM	16219						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCAD.fx	3:30:00 PM	16220						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF	9:30:00 AM	16221						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF	11:30:00 AM	16222						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF	1:30:00 PM	16223						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF	3:30:00 PM	16224						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF.fx	9:30:00 AM	16225						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF.fx	11:30:00 AM	16226						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF.fx	1:30:00 PM	16227						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCHF.fx	3:30:00 PM	16228						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCZK	9:30:00 AM	16229						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	GBPCZK	11:30:00 AM	16230						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCZK	1:30:00 PM	16231						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPCZK	3:30:00 PM	16232						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK	9:30:00 AM	16233						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK	11:30:00 AM	16234						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK	1:30:00 PM	16235						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK	3:30:00 PM	16236						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK.fx	9:30:00 AM	16237						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK.fx	11:30:00 AM	16238						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK.fx	1:30:00 PM	16239						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPDKK.fx	3:30:00 PM	16240						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHKD	9:30:00 AM	16241						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHKD	11:30:00 AM	16242						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHKD	1:30:00 PM	16243						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHKD	3:30:00 PM	16244						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHUF	9:30:00 AM	16245						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHUF	11:30:00 AM	16246						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHUF	1:30:00 PM	16247						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPHUF	3:30:00 PM	16248						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY	9:30:00 AM	16249						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY	11:30:00 AM	16250						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY	1:30:00 PM	16251						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY	3:30:00 PM	16252						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY.fx	9:30:00 AM	16253						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY.fx	11:30:00 AM	16254						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY.fx	1:30:00 PM	16255						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPJPY.fx	3:30:00 PM	16256						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPMXN	9:30:00 AM	16257						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPMXN	11:30:00 AM	16258						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPMXN	1:30:00 PM	16259						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPMXN	3:30:00 PM	16260						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK	9:30:00 AM	16261						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK	11:30:00 AM	16262						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK	1:30:00 PM	16263						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	GBPNOK	3:30:00 PM	16264						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK.fx	9:30:00 AM	16265						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK.fx	11:30:00 AM	16266						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK.fx	1:30:00 PM	16267						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNOK.fx	3:30:00 PM	16268						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD	9:30:00 AM	16269						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD	11:30:00 AM	16270						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD	1:30:00 PM	16271						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD	3:30:00 PM	16272						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD.fx	9:30:00 AM	16273						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD.fx	11:30:00 AM	16274						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD.fx	1:30:00 PM	16275						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPNZD.fx	3:30:00 PM	16276						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN	9:30:00 AM	16277						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN	11:30:00 AM	16278						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN	1:30:00 PM	16279						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN	3:30:00 PM	16280						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN.fx	9:30:00 AM	16281						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN.fx	11:30:00 AM	16282						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN.fx	1:30:00 PM	16283						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPPLN.fx	3:30:00 PM	16284						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK	9:30:00 AM	16285						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK	11:30:00 AM	16286						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK	1:30:00 PM	16287						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK	3:30:00 PM	16288						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK.fx	9:30:00 AM	16289						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK.fx	11:30:00 AM	16290						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK.fx	1:30:00 PM	16291						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSEK.fx	3:30:00 PM	16292						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD	9:30:00 AM	16293						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD	11:30:00 AM	16294						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD	1:30:00 PM	16295						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD	3:30:00 PM	16296						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD.fx	9:30:00 AM	16297						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	GBPSGD.fx	11:30:00 AM	16298						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD.fx	1:30:00 PM	16299						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPSGD.fx	3:30:00 PM	16300						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD	9:30:00 AM	16301						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD	11:30:00 AM	16302						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD	1:30:00 PM	16303						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD	3:30:00 PM	16304						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD.fx	9:30:00 AM	16305						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD.fx	11:30:00 AM	16306						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD.fx	1:30:00 PM	16307						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPUSD.fx	3:30:00 PM	16308						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR	9:30:00 AM	16309						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR	11:30:00 AM	16310						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR	1:30:00 PM	16311						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR	3:30:00 PM	16312						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR.fx	9:30:00 AM	16313						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR.fx	11:30:00 AM	16314						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR.fx	1:30:00 PM	16315						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GBPZAR.fx	3:30:00 PM	16316						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GOLD	9:30:00 AM	16317						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GOLD	11:30:00 AM	16318						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GOLD	1:30:00 PM	16319						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	GOLD	3:30:00 PM	16320						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY	9:30:00 AM	16321						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY	11:30:00 AM	16322						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY	1:30:00 PM	16323						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY	3:30:00 PM	16324						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY.fx	9:30:00 AM	16325						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY.fx	11:30:00 AM	16326						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY.fx	1:30:00 PM	16327						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HKDJPY.fx	3:30:00 PM	16328						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HUFJPY	9:30:00 AM	16329						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HUFJPY	11:30:00 AM	16330						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	HUFJPY	1:30:00 PM	16331						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	HUFJPY	3:30:00 PM	16332						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	JP225.i	9:30:00 AM	16333						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	JP225.i	11:30:00 AM	16334						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	JP225.i	1:30:00 PM	16335						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	JP225.i	3:30:00 PM	16336						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	MXNJPY	9:30:00 AM	16337						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	MXNJPY	11:30:00 AM	16338						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	MXNJPY	1:30:00 PM	16339						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	MXNJPY	3:30:00 PM	16340						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NASDAQ.i	9:30:00 AM	16341						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NASDAQ.i	11:30:00 AM	16342						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NASDAQ.i	1:30:00 PM	16343						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NASDAQ.i	3:30:00 PM	16344						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY	9:30:00 AM	16345						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY	11:30:00 AM	16346						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY	1:30:00 PM	16347						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY	3:30:00 PM	16348						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY.fx	9:30:00 AM	16349						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY.fx	11:30:00 AM	16350						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY.fx	1:30:00 PM	16351						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NOKJPY.fx	3:30:00 PM	16352						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD	9:30:00 AM	16353						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD	11:30:00 AM	16354						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD	1:30:00 PM	16355						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD	3:30:00 PM	16356						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD.fx	9:30:00 AM	16357						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD.fx	11:30:00 AM	16358						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD.fx	1:30:00 PM	16359						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCAD.fx	3:30:00 PM	16360						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF	9:30:00 AM	16361						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF	11:30:00 AM	16362						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF	1:30:00 PM	16363						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF	3:30:00 PM	16364						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF.fx	9:30:00 AM	16365						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	NZDCHF.fx	11:30:00 AM	16366						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF.fx	1:30:00 PM	16367						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCHF.fx	3:30:00 PM	16368						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCZK	9:30:00 AM	16369						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCZK	11:30:00 AM	16370						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCZK	1:30:00 PM	16371						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDCZK	3:30:00 PM	16372						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDDKK	9:30:00 AM	16373						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDDKK	11:30:00 AM	16374						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDDKK	1:30:00 PM	16375						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDDKK	3:30:00 PM	16376						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHKD	9:30:00 AM	16377						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHKD	11:30:00 AM	16378						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHKD	1:30:00 PM	16379						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHKD	3:30:00 PM	16380						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHUF	9:30:00 AM	16381						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHUF	11:30:00 AM	16382						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHUF	1:30:00 PM	16383						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDHUF	3:30:00 PM	16384						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY	9:30:00 AM	16385						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY	11:30:00 AM	16386						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY	1:30:00 PM	16387						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY	3:30:00 PM	16388						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY.fx	9:30:00 AM	16389						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY.fx	11:30:00 AM	16390						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY.fx	1:30:00 PM	16391						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDJPY.fx	3:30:00 PM	16392						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDMXN	9:30:00 AM	16393						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDMXN	11:30:00 AM	16394						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDMXN	1:30:00 PM	16395						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDMXN	3:30:00 PM	16396						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDNOK	9:30:00 AM	16397						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDNOK	11:30:00 AM	16398						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDNOK	1:30:00 PM	16399						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	NZDNOK	3:30:00 PM	16400						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDPLN	9:30:00 AM	16401						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDPLN	11:30:00 AM	16402						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDPLN	1:30:00 PM	16403						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDPLN	3:30:00 PM	16404						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSEK	9:30:00 AM	16405						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSEK	11:30:00 AM	16406						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSEK	1:30:00 PM	16407						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSEK	3:30:00 PM	16408						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD	9:30:00 AM	16409						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD	11:30:00 AM	16410						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD	1:30:00 PM	16411						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD	3:30:00 PM	16412						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD.fx	9:30:00 AM	16413						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD.fx	11:30:00 AM	16414						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD.fx	1:30:00 PM	16415						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDSGD.fx	3:30:00 PM	16416						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD	9:30:00 AM	16417						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD	11:30:00 AM	16418						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD	1:30:00 PM	16419						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD	3:30:00 PM	16420						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD.fx	9:30:00 AM	16421						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD.fx	11:30:00 AM	16422						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD.fx	1:30:00 PM	16423						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDUSD.fx	3:30:00 PM	16424						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDZAR	9:30:00 AM	16425						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDZAR	11:30:00 AM	16426						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDZAR	1:30:00 PM	16427						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	NZDZAR	3:30:00 PM	16428						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY	9:30:00 AM	16429						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY	11:30:00 AM	16430						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY	1:30:00 PM	16431						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY	3:30:00 PM	16432						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY.fx	9:30:00 AM	16433						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	SEKJPY.fx	11:30:00 AM	16434						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY.fx	1:30:00 PM	16435						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SEKJPY.fx	3:30:00 PM	16436						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SGDJPY	9:30:00 AM	16437						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SGDJPY	11:30:00 AM	16438						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SGDJPY	1:30:00 PM	16439						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SGDJPY	3:30:00 PM	16440						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SILVER	9:30:00 AM	16441						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SILVER	11:30:00 AM	16442						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SILVER	1:30:00 PM	16443						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SILVER	3:30:00 PM	16444						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SPX500.i	9:30:00 AM	16445						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SPX500.i	11:30:00 AM	16446						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SPX500.i	1:30:00 PM	16447						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	SPX500.i	3:30:00 PM	16448						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	UK100.i	9:30:00 AM	16449						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	UK100.i	11:30:00 AM	16450						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	UK100.i	1:30:00 PM	16451						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	UK100.i	3:30:00 PM	16452						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD	9:30:00 AM	16453						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD	11:30:00 AM	16454						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD	1:30:00 PM	16455						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD	3:30:00 PM	16456						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD.fx	9:30:00 AM	16457						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD.fx	11:30:00 AM	16458						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD.fx	1:30:00 PM	16459						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCAD.fx	3:30:00 PM	16460						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF	9:30:00 AM	16461						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF	11:30:00 AM	16462						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF	1:30:00 PM	16463						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF	3:30:00 PM	16464						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF.fx	9:30:00 AM	16465						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF.fx	11:30:00 AM	16466						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCHF.fx	1:30:00 PM	16467						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	USDCHF.fx	3:30:00 PM	16468						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK	9:30:00 AM	16469						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK	11:30:00 AM	16470						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK	1:30:00 PM	16471						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK	3:30:00 PM	16472						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK.fx	9:30:00 AM	16473						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK.fx	11:30:00 AM	16474						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK.fx	1:30:00 PM	16475						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDCZK.fx	3:30:00 PM	16476						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK	9:30:00 AM	16477						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK	11:30:00 AM	16478						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK	1:30:00 PM	16479						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK	3:30:00 PM	16480						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK.fx	9:30:00 AM	16481						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK.fx	11:30:00 AM	16482						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK.fx	1:30:00 PM	16483						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDDKK.fx	3:30:00 PM	16484						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD	9:30:00 AM	16485						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD	11:30:00 AM	16486						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD	1:30:00 PM	16487						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD	3:30:00 PM	16488						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD.fx	9:30:00 AM	16489						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD.fx	11:30:00 AM	16490						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD.fx	1:30:00 PM	16491						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHKD.fx	3:30:00 PM	16492						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF	9:30:00 AM	16493						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF	11:30:00 AM	16494						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF	1:30:00 PM	16495						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF	3:30:00 PM	16496						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF.fx	9:30:00 AM	16497						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF.fx	11:30:00 AM	16498						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF.fx	1:30:00 PM	16499						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDHUF.fx	3:30:00 PM	16500						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDINR	9:30:00 AM	16501						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	USDINR	11:30:00 AM	16502						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDINR	1:30:00 PM	16503						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDINR	3:30:00 PM	16504						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY	9:30:00 AM	16505						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY	11:30:00 AM	16506						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY	1:30:00 PM	16507						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY	3:30:00 PM	16508						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY.fx	9:30:00 AM	16509						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY.fx	11:30:00 AM	16510						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY.fx	1:30:00 PM	16511						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDJPY.fx	3:30:00 PM	16512						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN	9:30:00 AM	16513						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN	11:30:00 AM	16514						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN	1:30:00 PM	16515						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN	3:30:00 PM	16516						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN.fx	9:30:00 AM	16517						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN.fx	11:30:00 AM	16518						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN.fx	1:30:00 PM	16519						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDMXN.fx	3:30:00 PM	16520						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK	9:30:00 AM	16521						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK	11:30:00 AM	16522						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK	1:30:00 PM	16523						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK	3:30:00 PM	16524						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK.fx	9:30:00 AM	16525						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK.fx	11:30:00 AM	16526						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK.fx	1:30:00 PM	16527						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDNOK.fx	3:30:00 PM	16528						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN	9:30:00 AM	16529						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN	11:30:00 AM	16530						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN	1:30:00 PM	16531						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN	3:30:00 PM	16532						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN.fx	9:30:00 AM	16533						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN.fx	11:30:00 AM	16534						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDPLN.fx	1:30:00 PM	16535						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	USDPLN.fx	3:30:00 PM	16536						Continuous Quote	N/A	ELECTRONIC	N/A
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10/14/2019	USDRUB	11:30:00 AM	16538						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDRUB	1:30:00 PM	16539						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDRUB	3:30:00 PM	16540						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK	9:30:00 AM	16541						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK	11:30:00 AM	16542						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK	1:30:00 PM	16543						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK	3:30:00 PM	16544						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK.fx	9:30:00 AM	16545						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK.fx	11:30:00 AM	16546						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK.fx	1:30:00 PM	16547						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSEK.fx	3:30:00 PM	16548						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD	9:30:00 AM	16549						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD	11:30:00 AM	16550						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD	1:30:00 PM	16551						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD	3:30:00 PM	16552						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD.fx	9:30:00 AM	16553						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD.fx	11:30:00 AM	16554						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD.fx	1:30:00 PM	16555						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDSGD.fx	3:30:00 PM	16556						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR	9:30:00 AM	16557						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR	11:30:00 AM	16558						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR	1:30:00 PM	16559						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR	3:30:00 PM	16560						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR.fx	9:30:00 AM	16561						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR.fx	11:30:00 AM	16562						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR.fx	1:30:00 PM	16563						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	USDZAR.fx	3:30:00 PM	16564						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	XAUUSD	9:30:00 AM	16565						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	XAUUSD	11:30:00 AM	16566						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	XAUUSD	1:30:00 PM	16567						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	XAUUSD	3:30:00 PM	16568						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY	9:30:00 AM	16569						Continuous Quote	N/A	ELECTRONIC	N/A

10/14/2019	ZARJPY	11:30:00 AM	16570						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY	1:30:00 PM	16571						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY	3:30:00 PM	16572						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY.fx	9:30:00 AM	16573						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY.fx	11:30:00 AM	16574						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY.fx	1:30:00 PM	16575						Continuous Quote	N/A	ELECTRONIC	N/A
10/14/2019	ZARJPY.fx	3:30:00 PM	16576						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AA	9:30:00 AM	16577						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AA	11:30:00 AM	16578						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AA	1:30:00 PM	16579						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AABA	1:30:00 PM	16583						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#ADBE	9:30:00 AM	16593						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#ADBE	11:30:00 AM	16594						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#ADBE	1:30:00 PM	16595						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#ADBE	3:30:00 PM	16596						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AIG	11:30:00 AM	16598						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AIG	1:30:00 PM	16599						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AIG	3:30:00 PM	16600						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AMD	11:30:00 AM	16602						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AMD	3:30:00 PM	16604						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AMZN	11:30:00 AM	16606						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#AMZN	3:30:00 PM	16608						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AXP	9:30:00 AM	16609						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#AXP	11:30:00 AM	16610						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BA	9:30:00 AM	16613						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BA	11:30:00 AM	16614						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BA	3:30:00 PM	16616						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BABA	9:30:00 AM	16617						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BABA	3:30:00 PM	16620						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BIDU	3:30:00 PM	16636						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BK	1:30:00 PM	16643						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BK	3:30:00 PM	16644						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BP	9:30:00 AM	16649						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#BP	1:30:00 PM	16651						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BP	3:30:00 PM	16652						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BTA	9:30:00 AM	16653						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BTA	11:30:00 AM	16654						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#BTA	1:30:00 PM	16655						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#C	3:30:00 PM	16660						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#CAT	9:30:00 AM	16661						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#CHL	9:30:00 AM	16665						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#CHL	1:30:00 PM	16667						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#CHL	3:30:00 PM	16668						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#CL.f	9:30:00 AM	16669						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#CL.f	1:30:00 PM	16671						Continuous Quote	N/A	ELECTRONIC	N/A

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10/15/2019	#CMCSA	3:30:00 PM	16676						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#NTDOY	11:30:00 AM	16882						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#NTDOY	3:30:00 PM	16884						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#ORAN	11:30:00 AM	16886						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#PBR	11:30:00 AM	16894						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PBR	1:30:00 PM	16895						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PBR	3:30:00 PM	16896						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#PEP	11:30:00 AM	16898						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PEP	1:30:00 PM	16899						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PEP	3:30:00 PM	16900						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PFE	9:30:00 AM	16901						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PFE	11:30:00 AM	16902						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#PFE	3:30:00 PM	16904						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PG	9:30:00 AM	16905						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PG	11:30:00 AM	16906						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PG	1:30:00 PM	16907						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#PG	3:30:00 PM	16908						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#POT	9:30:00 AM	16909						Continuous Quote	N/A	ELECTRONIC	N/A

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10/15/2019	#POT	3:30:00 PM	16912						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#QCOM	9:30:00 AM	16913						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#QCOM	11:30:00 AM	16914						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#QCOM	1:30:00 PM	16915						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#QCOM	3:30:00 PM	16916						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#QQQ	3:30:00 PM	16920						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#Ripple	3:30:00 PM	16924						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#S	3:30:00 PM	16928						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#SNE	1:30:00 PM	16935						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#SNE	3:30:00 PM	16936						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#SPY	9:30:00 AM	16937						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#SPY	11:30:00 AM	16938						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#SPY	1:30:00 PM	16939						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#SPY	3:30:00 PM	16940						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#T	11:30:00 AM	16942						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#T	1:30:00 PM	16943						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	#T	3:30:00 PM	16944						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#TEVA	11:30:00 AM	16946						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TEVA	1:30:00 PM	16947						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TEVA	3:30:00 PM	16948						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRI	9:30:00 AM	16949						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRI	11:30:00 AM	16950						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#TRI	3:30:00 PM	16952						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRV	9:30:00 AM	16953						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRV	11:30:00 AM	16954						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRV	1:30:00 PM	16955						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TRV	3:30:00 PM	16956						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TSCO	9:30:00 AM	16957						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#TSLA	9:30:00 AM	16961						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#TSLA	1:30:00 PM	16963						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TSLA	3:30:00 PM	16964						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#TWTR	9:30:00 AM	16965						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#TWTR	3:30:00 PM	16968						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UBS	9:30:00 AM	16969						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#UL	9:30:00 AM	16973						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UL	11:30:00 AM	16974						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UL	1:30:00 PM	16975						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UL	3:30:00 PM	16976						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#UPS	11:30:00 AM	16978						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#UTX	11:30:00 AM	16982						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UTX	1:30:00 PM	16983						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#UTX	3:30:00 PM	16984						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#V	9:30:00 AM	16985						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#V	11:30:00 AM	16986						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#V	1:30:00 PM	16987						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#V	3:30:00 PM	16988						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#VOD	3:30:00 PM	16992						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#VZ	3:30:00 PM	16996						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WDC	9:30:00 AM	16997						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WDC	11:30:00 AM	16998						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#WFC	9:30:00 AM	17001						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WFC	11:30:00 AM	17002						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WFC	1:30:00 PM	17003						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WFC	3:30:00 PM	17004						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	#WMT	9:30:00 AM	17005						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#XOM	11:30:00 AM	17010						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	#ZNGA	3:30:00 PM	17020						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDCAD	9:30:00 AM	17021						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDCAD	11:30:00 AM	17022						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDCAD	3:30:00 PM	17024						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDCAD.fx	3:30:00 PM	17028						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDCHF	9:30:00 AM	17029						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDCZK	9:30:00 AM	17037						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDDKK	9:30:00 AM	17041						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDDKK	11:30:00 AM	17042						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDDKK	3:30:00 PM	17044						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDJPY.fx	3:30:00 PM	17060						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDMXN	9:30:00 AM	17061						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDMXN	11:30:00 AM	17062						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDMXN	1:30:00 PM	17063						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDNOK.fx	1:30:00 PM	17071						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDNOK.fx	3:30:00 PM	17072						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	AUDNZD.fx	11:30:00 AM	17078						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDNZD.fx	1:30:00 PM	17079						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	AUDNZD.fx	3:30:00 PM	17080						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDPLN	9:30:00 AM	17081						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDPLN	11:30:00 AM	17082						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDPLN	1:30:00 PM	17083						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDPLN	3:30:00 PM	17084						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK	9:30:00 AM	17085						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK	11:30:00 AM	17086						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK	1:30:00 PM	17087						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK	3:30:00 PM	17088						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK.fx	9:30:00 AM	17089						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK.fx	11:30:00 AM	17090						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK.fx	1:30:00 PM	17091						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSEK.fx	3:30:00 PM	17092						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD	9:30:00 AM	17093						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD	11:30:00 AM	17094						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD	1:30:00 PM	17095						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD	3:30:00 PM	17096						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD.fx	9:30:00 AM	17097						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD.fx	11:30:00 AM	17098						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD.fx	1:30:00 PM	17099						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDSGD.fx	3:30:00 PM	17100						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD	9:30:00 AM	17101						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD	11:30:00 AM	17102						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD	1:30:00 PM	17103						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD	3:30:00 PM	17104						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD.fx	9:30:00 AM	17105						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD.fx	11:30:00 AM	17106						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD.fx	1:30:00 PM	17107						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDUSD.fx	3:30:00 PM	17108						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDZAR	9:30:00 AM	17109						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDZAR	11:30:00 AM	17110						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDZAR	1:30:00 PM	17111						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUDZAR	3:30:00 PM	17112						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUS200.i	9:30:00 AM	17113						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	AUS200.i	11:30:00 AM	17114						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUS200.i	1:30:00 PM	17115						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	AUS200.i	3:30:00 PM	17116						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	BCHUSD	9:30:00 AM	17117						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	BCHUSD	11:30:00 AM	17118						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	BCHUSD	1:30:00 PM	17119						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	BCHUSD	3:30:00 PM	17120						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF	9:30:00 AM	17121						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF	11:30:00 AM	17122						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF	1:30:00 PM	17123						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF	3:30:00 PM	17124						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF.fx	9:30:00 AM	17125						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF.fx	11:30:00 AM	17126						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF.fx	1:30:00 PM	17127						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCHF.fx	3:30:00 PM	17128						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCZK	9:30:00 AM	17129						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCZK	11:30:00 AM	17130						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCZK	1:30:00 PM	17131						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADCZK	3:30:00 PM	17132						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADDDKK	9:30:00 AM	17133						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADDDKK	11:30:00 AM	17134						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADDDKK	1:30:00 PM	17135						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADDDKK	3:30:00 PM	17136						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHKD	9:30:00 AM	17137						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHKD	11:30:00 AM	17138						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHKD	1:30:00 PM	17139						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHKD	3:30:00 PM	17140						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHUF	9:30:00 AM	17141						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHUF	11:30:00 AM	17142						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHUF	1:30:00 PM	17143						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADHUF	3:30:00 PM	17144						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY	9:30:00 AM	17145						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY	11:30:00 AM	17146						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY	1:30:00 PM	17147						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	CADJPY	3:30:00 PM	17148						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY.fx	9:30:00 AM	17149						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY.fx	11:30:00 AM	17150						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY.fx	1:30:00 PM	17151						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADJPY.fx	3:30:00 PM	17152						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADMXN	9:30:00 AM	17153						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADMXN	11:30:00 AM	17154						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADMXN	1:30:00 PM	17155						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADMXN	3:30:00 PM	17156						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADNOK	9:30:00 AM	17157						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADNOK	11:30:00 AM	17158						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADNOK	1:30:00 PM	17159						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADNOK	3:30:00 PM	17160						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADPLN	9:30:00 AM	17161						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADPLN	11:30:00 AM	17162						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADPLN	1:30:00 PM	17163						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADPLN	3:30:00 PM	17164						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSEK	9:30:00 AM	17165						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSEK	11:30:00 AM	17166						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSEK	1:30:00 PM	17167						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSEK	3:30:00 PM	17168						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSGD	9:30:00 AM	17169						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSGD	11:30:00 AM	17170						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSGD	1:30:00 PM	17171						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADSGD	3:30:00 PM	17172						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADZAR	9:30:00 AM	17173						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CADZAR	11:30:00 AM	17174						Continuous Quote	N/A	ELECTRONIC	N/A
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10/15/2019	CADZAR	3:30:00 PM	17176						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFCZK	9:30:00 AM	17177						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFCZK	11:30:00 AM	17178						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFCZK	1:30:00 PM	17179						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFCZK	3:30:00 PM	17180						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK	9:30:00 AM	17181						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	CHFDKK	11:30:00 AM	17182						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK	1:30:00 PM	17183						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK	3:30:00 PM	17184						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK.fx	9:30:00 AM	17185						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK.fx	11:30:00 AM	17186						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK.fx	1:30:00 PM	17187						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFDKK.fx	3:30:00 PM	17188						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHKD	9:30:00 AM	17189						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHKD	11:30:00 AM	17190						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHKD	1:30:00 PM	17191						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHKD	3:30:00 PM	17192						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHUF	9:30:00 AM	17193						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHUF	11:30:00 AM	17194						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHUF	1:30:00 PM	17195						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFHUF	3:30:00 PM	17196						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY	9:30:00 AM	17197						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY	11:30:00 AM	17198						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY	1:30:00 PM	17199						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY	3:30:00 PM	17200						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY.fx	9:30:00 AM	17201						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY.fx	11:30:00 AM	17202						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY.fx	1:30:00 PM	17203						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFJPY.fx	3:30:00 PM	17204						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFMXN	9:30:00 AM	17205						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFMXN	11:30:00 AM	17206						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFMXN	1:30:00 PM	17207						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFMXN	3:30:00 PM	17208						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK	9:30:00 AM	17209						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK	11:30:00 AM	17210						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK	1:30:00 PM	17211						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK	3:30:00 PM	17212						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK.fx	9:30:00 AM	17213						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK.fx	11:30:00 AM	17214						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFNOK.fx	1:30:00 PM	17215						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	CHFNOK.fx	3:30:00 PM	17216						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN	9:30:00 AM	17217						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN	11:30:00 AM	17218						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN	1:30:00 PM	17219						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN	3:30:00 PM	17220						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN.fx	9:30:00 AM	17221						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN.fx	11:30:00 AM	17222						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN.fx	1:30:00 PM	17223						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFPLN.fx	3:30:00 PM	17224						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSEK	9:30:00 AM	17225						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSEK	11:30:00 AM	17226						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSEK	1:30:00 PM	17227						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSEK	3:30:00 PM	17228						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD	9:30:00 AM	17229						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD	11:30:00 AM	17230						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD	1:30:00 PM	17231						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD	3:30:00 PM	17232						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD.fx	9:30:00 AM	17233						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD.fx	11:30:00 AM	17234						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD.fx	1:30:00 PM	17235						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFSGD.fx	3:30:00 PM	17236						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFZAR	9:30:00 AM	17237						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFZAR	11:30:00 AM	17238						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFZAR	1:30:00 PM	17239						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CHFZAR	3:30:00 PM	17240						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CZKJPY	9:30:00 AM	17241						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CZKJPY	11:30:00 AM	17242						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CZKJPY	1:30:00 PM	17243						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	CZKJPY	3:30:00 PM	17244						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DAX30.i	9:30:00 AM	17245						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DAX30.i	11:30:00 AM	17246						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DAX30.i	1:30:00 PM	17247						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DAX30.i	3:30:00 PM	17248						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DJ30.i	9:30:00 AM	17249						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	DJ30.i	11:30:00 AM	17250						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DJ30.i	1:30:00 PM	17251						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DJ30.i	3:30:00 PM	17252						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DKKJPY	9:30:00 AM	17253						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DKKJPY	11:30:00 AM	17254						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DKKJPY	1:30:00 PM	17255						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	DKKJPY	3:30:00 PM	17256						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD	9:30:00 AM	17257						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD	11:30:00 AM	17258						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD	1:30:00 PM	17259						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD	3:30:00 PM	17260						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD.fx	9:30:00 AM	17261						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD.fx	11:30:00 AM	17262						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD.fx	1:30:00 PM	17263						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURAUD.fx	3:30:00 PM	17264						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD	9:30:00 AM	17265						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD	11:30:00 AM	17266						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD	1:30:00 PM	17267						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD	3:30:00 PM	17268						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD.fx	9:30:00 AM	17269						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD.fx	11:30:00 AM	17270						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD.fx	1:30:00 PM	17271						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCAD.fx	3:30:00 PM	17272						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF	9:30:00 AM	17273						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF	11:30:00 AM	17274						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF	1:30:00 PM	17275						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF	3:30:00 PM	17276						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF.fx	9:30:00 AM	17277						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF.fx	11:30:00 AM	17278						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF.fx	1:30:00 PM	17279						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCHF.fx	3:30:00 PM	17280						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCZK	9:30:00 AM	17281						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCZK	11:30:00 AM	17282						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURCZK	1:30:00 PM	17283						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	EURCZK	3:30:00 PM	17284						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURDKK	9:30:00 AM	17285						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURDKK	11:30:00 AM	17286						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURDKK	1:30:00 PM	17287						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURDKK	3:30:00 PM	17288						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP	9:30:00 AM	17289						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP	11:30:00 AM	17290						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP	1:30:00 PM	17291						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP	3:30:00 PM	17292						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP.fx	9:30:00 AM	17293						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP.fx	11:30:00 AM	17294						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP.fx	1:30:00 PM	17295						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURGBP.fx	3:30:00 PM	17296						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD	9:30:00 AM	17297						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD	11:30:00 AM	17298						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD	1:30:00 PM	17299						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD	3:30:00 PM	17300						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD.fx	9:30:00 AM	17301						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD.fx	11:30:00 AM	17302						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD.fx	1:30:00 PM	17303						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHKD.fx	3:30:00 PM	17304						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF	9:30:00 AM	17305						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF	11:30:00 AM	17306						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF	1:30:00 PM	17307						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF	3:30:00 PM	17308						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF.fx	9:30:00 AM	17309						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF.fx	11:30:00 AM	17310						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF.fx	1:30:00 PM	17311						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURHUF.fx	3:30:00 PM	17312						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY	9:30:00 AM	17313						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY	11:30:00 AM	17314						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY	1:30:00 PM	17315						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY	3:30:00 PM	17316						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY.fx	9:30:00 AM	17317						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	EURJPY.fx	11:30:00 AM	17318						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY.fx	1:30:00 PM	17319						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURJPY.fx	3:30:00 PM	17320						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN	9:30:00 AM	17321						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN	11:30:00 AM	17322						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN	1:30:00 PM	17323						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN	3:30:00 PM	17324						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN.fx	9:30:00 AM	17325						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN.fx	11:30:00 AM	17326						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN.fx	1:30:00 PM	17327						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURMXN.fx	3:30:00 PM	17328						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK	9:30:00 AM	17329						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK	11:30:00 AM	17330						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK	1:30:00 PM	17331						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK	3:30:00 PM	17332						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK.fx	9:30:00 AM	17333						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK.fx	11:30:00 AM	17334						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK.fx	1:30:00 PM	17335						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNOK.fx	3:30:00 PM	17336						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD	9:30:00 AM	17337						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD	11:30:00 AM	17338						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD	1:30:00 PM	17339						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD	3:30:00 PM	17340						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD.fx	9:30:00 AM	17341						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD.fx	11:30:00 AM	17342						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD.fx	1:30:00 PM	17343						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURNZD.fx	3:30:00 PM	17344						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN	9:30:00 AM	17345						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN	11:30:00 AM	17346						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN	1:30:00 PM	17347						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN	3:30:00 PM	17348						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN.fx	9:30:00 AM	17349						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN.fx	11:30:00 AM	17350						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURPLN.fx	1:30:00 PM	17351						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	EURPLN.fx	3:30:00 PM	17352						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURRUB	9:30:00 AM	17353						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURRUB	11:30:00 AM	17354						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURRUB	1:30:00 PM	17355						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURRUB	3:30:00 PM	17356						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK	9:30:00 AM	17357						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK	11:30:00 AM	17358						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK	1:30:00 PM	17359						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK	3:30:00 PM	17360						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK.fx	9:30:00 AM	17361						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK.fx	11:30:00 AM	17362						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK.fx	1:30:00 PM	17363						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSEK.fx	3:30:00 PM	17364						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD	9:30:00 AM	17365						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD	11:30:00 AM	17366						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD	1:30:00 PM	17367						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD	3:30:00 PM	17368						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD.fx	9:30:00 AM	17369						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD.fx	11:30:00 AM	17370						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD.fx	1:30:00 PM	17371						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURSGD.fx	3:30:00 PM	17372						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD	9:30:00 AM	17373						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD	11:30:00 AM	17374						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD	1:30:00 PM	17375						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD	3:30:00 PM	17376						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD.fx	9:30:00 AM	17377						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD.fx	11:30:00 AM	17378						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD.fx	1:30:00 PM	17379						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURUSD.fx	3:30:00 PM	17380						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR	9:30:00 AM	17381						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR	11:30:00 AM	17382						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR	1:30:00 PM	17383						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR	3:30:00 PM	17384						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR.fx	9:30:00 AM	17385						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	EURZAR.fx	11:30:00 AM	17386						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR.fx	1:30:00 PM	17387						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	EURZAR.fx	3:30:00 PM	17388						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD	9:30:00 AM	17389						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD	11:30:00 AM	17390						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD	1:30:00 PM	17391						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD	3:30:00 PM	17392						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD.fx	9:30:00 AM	17393						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD.fx	11:30:00 AM	17394						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD.fx	1:30:00 PM	17395						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPAUD.fx	3:30:00 PM	17396						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD	9:30:00 AM	17397						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD	11:30:00 AM	17398						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD	1:30:00 PM	17399						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD	3:30:00 PM	17400						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD.fx	9:30:00 AM	17401						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD.fx	11:30:00 AM	17402						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD.fx	1:30:00 PM	17403						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCAD.fx	3:30:00 PM	17404						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF	9:30:00 AM	17405						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF	11:30:00 AM	17406						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF	1:30:00 PM	17407						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF	3:30:00 PM	17408						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF.fx	9:30:00 AM	17409						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF.fx	11:30:00 AM	17410						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF.fx	1:30:00 PM	17411						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCHF.fx	3:30:00 PM	17412						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCZK	9:30:00 AM	17413						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCZK	11:30:00 AM	17414						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCZK	1:30:00 PM	17415						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPCZK	3:30:00 PM	17416						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK	9:30:00 AM	17417						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK	11:30:00 AM	17418						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK	1:30:00 PM	17419						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	GBPDKK	3:30:00 PM	17420						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK.fx	9:30:00 AM	17421						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK.fx	11:30:00 AM	17422						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK.fx	1:30:00 PM	17423						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPDKK.fx	3:30:00 PM	17424						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHKD	9:30:00 AM	17425						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHKD	11:30:00 AM	17426						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHKD	1:30:00 PM	17427						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHKD	3:30:00 PM	17428						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHUF	9:30:00 AM	17429						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHUF	11:30:00 AM	17430						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHUF	1:30:00 PM	17431						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPHUF	3:30:00 PM	17432						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY	9:30:00 AM	17433						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY	11:30:00 AM	17434						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY	1:30:00 PM	17435						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY	3:30:00 PM	17436						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY.fx	9:30:00 AM	17437						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY.fx	11:30:00 AM	17438						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY.fx	1:30:00 PM	17439						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPJPY.fx	3:30:00 PM	17440						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPMXN	9:30:00 AM	17441						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPMXN	11:30:00 AM	17442						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPMXN	1:30:00 PM	17443						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPMXN	3:30:00 PM	17444						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK	9:30:00 AM	17445						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK	11:30:00 AM	17446						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK	1:30:00 PM	17447						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK	3:30:00 PM	17448						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK.fx	9:30:00 AM	17449						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK.fx	11:30:00 AM	17450						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK.fx	1:30:00 PM	17451						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNOK.fx	3:30:00 PM	17452						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD	9:30:00 AM	17453						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	GBPNZD	11:30:00 AM	17454						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD	1:30:00 PM	17455						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD	3:30:00 PM	17456						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD.fx	9:30:00 AM	17457						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD.fx	11:30:00 AM	17458						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD.fx	1:30:00 PM	17459						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPNZD.fx	3:30:00 PM	17460						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN	9:30:00 AM	17461						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN	11:30:00 AM	17462						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN	1:30:00 PM	17463						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN	3:30:00 PM	17464						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN.fx	9:30:00 AM	17465						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN.fx	11:30:00 AM	17466						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN.fx	1:30:00 PM	17467						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPPLN.fx	3:30:00 PM	17468						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK	9:30:00 AM	17469						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK	11:30:00 AM	17470						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK	1:30:00 PM	17471						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK	3:30:00 PM	17472						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK.fx	9:30:00 AM	17473						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK.fx	11:30:00 AM	17474						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK.fx	1:30:00 PM	17475						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSEK.fx	3:30:00 PM	17476						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD	9:30:00 AM	17477						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD	11:30:00 AM	17478						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD	1:30:00 PM	17479						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD	3:30:00 PM	17480						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD.fx	9:30:00 AM	17481						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD.fx	11:30:00 AM	17482						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD.fx	1:30:00 PM	17483						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPSGD.fx	3:30:00 PM	17484						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD	9:30:00 AM	17485						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD	11:30:00 AM	17486						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD	1:30:00 PM	17487						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	GBPUSD	3:30:00 PM	17488						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD.fx	9:30:00 AM	17489						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD.fx	11:30:00 AM	17490						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD.fx	1:30:00 PM	17491						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPUSD.fx	3:30:00 PM	17492						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR	9:30:00 AM	17493						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR	11:30:00 AM	17494						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR	1:30:00 PM	17495						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR	3:30:00 PM	17496						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR.fx	9:30:00 AM	17497						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR.fx	11:30:00 AM	17498						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR.fx	1:30:00 PM	17499						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GBPZAR.fx	3:30:00 PM	17500						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GOLD	9:30:00 AM	17501						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GOLD	11:30:00 AM	17502						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GOLD	1:30:00 PM	17503						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	GOLD	3:30:00 PM	17504						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY	9:30:00 AM	17505						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY	11:30:00 AM	17506						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY	1:30:00 PM	17507						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY	3:30:00 PM	17508						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY.fx	9:30:00 AM	17509						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY.fx	11:30:00 AM	17510						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY.fx	1:30:00 PM	17511						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HKDJPY.fx	3:30:00 PM	17512						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HUFJPY	9:30:00 AM	17513						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HUFJPY	11:30:00 AM	17514						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HUFJPY	1:30:00 PM	17515						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	HUFJPY	3:30:00 PM	17516						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	JP225.i	9:30:00 AM	17517						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	JP225.i	11:30:00 AM	17518						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	JP225.i	1:30:00 PM	17519						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	JP225.i	3:30:00 PM	17520						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	MXNJPY	9:30:00 AM	17521						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	MXNJPY	11:30:00 AM	17522						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	MXNJPY	1:30:00 PM	17523						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	MXNJPY	3:30:00 PM	17524						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NASDAQ.i	9:30:00 AM	17525						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NASDAQ.i	11:30:00 AM	17526						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NASDAQ.i	1:30:00 PM	17527						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NASDAQ.i	3:30:00 PM	17528						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY	9:30:00 AM	17529						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY	11:30:00 AM	17530						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY	1:30:00 PM	17531						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY	3:30:00 PM	17532						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY.fx	9:30:00 AM	17533						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY.fx	11:30:00 AM	17534						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY.fx	1:30:00 PM	17535						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NOKJPY.fx	3:30:00 PM	17536						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD	9:30:00 AM	17537						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD	11:30:00 AM	17538						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD	1:30:00 PM	17539						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD	3:30:00 PM	17540						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD.fx	9:30:00 AM	17541						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD.fx	11:30:00 AM	17542						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD.fx	1:30:00 PM	17543						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCAD.fx	3:30:00 PM	17544						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF	9:30:00 AM	17545						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF	11:30:00 AM	17546						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF	1:30:00 PM	17547						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF	3:30:00 PM	17548						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF.fx	9:30:00 AM	17549						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF.fx	11:30:00 AM	17550						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF.fx	1:30:00 PM	17551						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCHF.fx	3:30:00 PM	17552						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCZK	9:30:00 AM	17553						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCZK	11:30:00 AM	17554						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDCZK	1:30:00 PM	17555						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	NZDCZK	3:30:00 PM	17556						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDDKK	9:30:00 AM	17557						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDDKK	11:30:00 AM	17558						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDDKK	1:30:00 PM	17559						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDDKK	3:30:00 PM	17560						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHKD	9:30:00 AM	17561						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHKD	11:30:00 AM	17562						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHKD	1:30:00 PM	17563						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHKD	3:30:00 PM	17564						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHUF	9:30:00 AM	17565						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHUF	11:30:00 AM	17566						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHUF	1:30:00 PM	17567						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDHUF	3:30:00 PM	17568						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY	9:30:00 AM	17569						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY	11:30:00 AM	17570						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY	1:30:00 PM	17571						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY	3:30:00 PM	17572						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY.fx	9:30:00 AM	17573						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY.fx	11:30:00 AM	17574						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY.fx	1:30:00 PM	17575						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDJPY.fx	3:30:00 PM	17576						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDMXN	9:30:00 AM	17577						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDMXN	11:30:00 AM	17578						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDMXN	1:30:00 PM	17579						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDMXN	3:30:00 PM	17580						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDNOK	9:30:00 AM	17581						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDNOK	11:30:00 AM	17582						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDNOK	1:30:00 PM	17583						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDNOK	3:30:00 PM	17584						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDPLN	9:30:00 AM	17585						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDPLN	11:30:00 AM	17586						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDPLN	1:30:00 PM	17587						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDPLN	3:30:00 PM	17588						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSEK	9:30:00 AM	17589						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	NZDSEK	11:30:00 AM	17590						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSEK	1:30:00 PM	17591						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSEK	3:30:00 PM	17592						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD	9:30:00 AM	17593						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD	11:30:00 AM	17594						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD	1:30:00 PM	17595						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD	3:30:00 PM	17596						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD.fx	9:30:00 AM	17597						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD.fx	11:30:00 AM	17598						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD.fx	1:30:00 PM	17599						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDSGD.fx	3:30:00 PM	17600						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD	9:30:00 AM	17601						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD	11:30:00 AM	17602						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD	1:30:00 PM	17603						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD	3:30:00 PM	17604						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD.fx	9:30:00 AM	17605						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD.fx	11:30:00 AM	17606						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD.fx	1:30:00 PM	17607						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDUSD.fx	3:30:00 PM	17608						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDZAR	9:30:00 AM	17609						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDZAR	11:30:00 AM	17610						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDZAR	1:30:00 PM	17611						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	NZDZAR	3:30:00 PM	17612						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY	9:30:00 AM	17613						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY	11:30:00 AM	17614						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY	1:30:00 PM	17615						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY	3:30:00 PM	17616						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY.fx	9:30:00 AM	17617						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY.fx	11:30:00 AM	17618						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY.fx	1:30:00 PM	17619						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SEKJPY.fx	3:30:00 PM	17620						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SGDJPY	9:30:00 AM	17621						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SGDJPY	11:30:00 AM	17622						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SGDJPY	1:30:00 PM	17623						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	SGDJPY	3:30:00 PM	17624						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SILVER	9:30:00 AM	17625						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SILVER	11:30:00 AM	17626						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SILVER	1:30:00 PM	17627						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SILVER	3:30:00 PM	17628						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SPX500.i	9:30:00 AM	17629						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SPX500.i	11:30:00 AM	17630						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SPX500.i	1:30:00 PM	17631						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	SPX500.i	3:30:00 PM	17632						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	UK100.i	9:30:00 AM	17633						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	UK100.i	11:30:00 AM	17634						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	UK100.i	1:30:00 PM	17635						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	UK100.i	3:30:00 PM	17636						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD	9:30:00 AM	17637						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD	11:30:00 AM	17638						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD	1:30:00 PM	17639						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD	3:30:00 PM	17640						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD.fx	9:30:00 AM	17641						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD.fx	11:30:00 AM	17642						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD.fx	1:30:00 PM	17643						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCAD.fx	3:30:00 PM	17644						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF	9:30:00 AM	17645						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF	11:30:00 AM	17646						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF	1:30:00 PM	17647						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF	3:30:00 PM	17648						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF.fx	9:30:00 AM	17649						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF.fx	11:30:00 AM	17650						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF.fx	1:30:00 PM	17651						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCHF.fx	3:30:00 PM	17652						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK	9:30:00 AM	17653						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK	11:30:00 AM	17654						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK	1:30:00 PM	17655						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK	3:30:00 PM	17656						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK.fx	9:30:00 AM	17657						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	USDCZK.fx	11:30:00 AM	17658						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK.fx	1:30:00 PM	17659						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDCZK.fx	3:30:00 PM	17660						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK	9:30:00 AM	17661						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK	11:30:00 AM	17662						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK	1:30:00 PM	17663						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK	3:30:00 PM	17664						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK.fx	9:30:00 AM	17665						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK.fx	11:30:00 AM	17666						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK.fx	1:30:00 PM	17667						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDDKK.fx	3:30:00 PM	17668						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD	9:30:00 AM	17669						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD	11:30:00 AM	17670						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD	1:30:00 PM	17671						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD	3:30:00 PM	17672						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD.fx	9:30:00 AM	17673						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD.fx	11:30:00 AM	17674						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD.fx	1:30:00 PM	17675						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHKD.fx	3:30:00 PM	17676						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF	9:30:00 AM	17677						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF	11:30:00 AM	17678						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF	1:30:00 PM	17679						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF	3:30:00 PM	17680						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF.fx	9:30:00 AM	17681						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF.fx	11:30:00 AM	17682						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF.fx	1:30:00 PM	17683						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDHUF.fx	3:30:00 PM	17684						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDINR	9:30:00 AM	17685						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDINR	11:30:00 AM	17686						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDINR	1:30:00 PM	17687						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDINR	3:30:00 PM	17688						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY	9:30:00 AM	17689						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY	11:30:00 AM	17690						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY	1:30:00 PM	17691						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	USDJPY	3:30:00 PM	17692						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY.fx	9:30:00 AM	17693						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY.fx	11:30:00 AM	17694						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY.fx	1:30:00 PM	17695						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDJPY.fx	3:30:00 PM	17696						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN	9:30:00 AM	17697						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN	11:30:00 AM	17698						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN	1:30:00 PM	17699						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN	3:30:00 PM	17700						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN.fx	9:30:00 AM	17701						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN.fx	11:30:00 AM	17702						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN.fx	1:30:00 PM	17703						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDMXN.fx	3:30:00 PM	17704						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK	9:30:00 AM	17705						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK	11:30:00 AM	17706						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK	1:30:00 PM	17707						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK	3:30:00 PM	17708						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK.fx	9:30:00 AM	17709						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK.fx	11:30:00 AM	17710						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK.fx	1:30:00 PM	17711						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDNOK.fx	3:30:00 PM	17712						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN	9:30:00 AM	17713						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN	11:30:00 AM	17714						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN	1:30:00 PM	17715						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN	3:30:00 PM	17716						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN.fx	9:30:00 AM	17717						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN.fx	11:30:00 AM	17718						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN.fx	1:30:00 PM	17719						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDPLN.fx	3:30:00 PM	17720						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDRUB	9:30:00 AM	17721						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDRUB	11:30:00 AM	17722						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDRUB	1:30:00 PM	17723						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDRUB	3:30:00 PM	17724						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK	9:30:00 AM	17725						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	USDSEK	11:30:00 AM	17726						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK	1:30:00 PM	17727						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK	3:30:00 PM	17728						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK.fx	9:30:00 AM	17729						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK.fx	11:30:00 AM	17730						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK.fx	1:30:00 PM	17731						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSEK.fx	3:30:00 PM	17732						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD	9:30:00 AM	17733						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD	11:30:00 AM	17734						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD	1:30:00 PM	17735						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD	3:30:00 PM	17736						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD.fx	9:30:00 AM	17737						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD.fx	11:30:00 AM	17738						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD.fx	1:30:00 PM	17739						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDSGD.fx	3:30:00 PM	17740						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR	9:30:00 AM	17741						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR	11:30:00 AM	17742						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR	1:30:00 PM	17743						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR	3:30:00 PM	17744						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR.fx	9:30:00 AM	17745						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR.fx	11:30:00 AM	17746						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR.fx	1:30:00 PM	17747						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	USDZAR.fx	3:30:00 PM	17748						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	XAUUSD	9:30:00 AM	17749						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	XAUUSD	11:30:00 AM	17750						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	XAUUSD	1:30:00 PM	17751						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	XAUUSD	3:30:00 PM	17752						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY	9:30:00 AM	17753						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY	11:30:00 AM	17754						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY	1:30:00 PM	17755						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY	3:30:00 PM	17756						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY.fx	9:30:00 AM	17757						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY.fx	11:30:00 AM	17758						Continuous Quote	N/A	ELECTRONIC	N/A
10/15/2019	ZARJPY.fx	1:30:00 PM	17759						Continuous Quote	N/A	ELECTRONIC	N/A

10/15/2019	ZARJPY.fx	3:30:00 PM	17760						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AA	9:30:00 AM	17761						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AA	11:30:00 AM	17762						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AA	1:30:00 PM	17763						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AA	3:30:00 PM	17764						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AABA	9:30:00 AM	17765						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AABA	11:30:00 AM	17766						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AABA	1:30:00 PM	17767						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AABA	3:30:00 PM	17768						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAL	9:30:00 AM	17769						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAL	11:30:00 AM	17770						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAL	1:30:00 PM	17771						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAL	3:30:00 PM	17772						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAPL	9:30:00 AM	17773						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAPL	11:30:00 AM	17774						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAPL	1:30:00 PM	17775						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AAPL	3:30:00 PM	17776						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ADBE	9:30:00 AM	17777						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ADBE	11:30:00 AM	17778						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ADBE	1:30:00 PM	17779						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ADBE	3:30:00 PM	17780						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AIG	9:30:00 AM	17781						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AIG	11:30:00 AM	17782						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AIG	1:30:00 PM	17783						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AIG	3:30:00 PM	17784						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMD	9:30:00 AM	17785						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMD	11:30:00 AM	17786						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMD	1:30:00 PM	17787						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMD	3:30:00 PM	17788						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMZN	9:30:00 AM	17789						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMZN	11:30:00 AM	17790						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMZN	1:30:00 PM	17791						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AMZN	3:30:00 PM	17792						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#AXP	9:30:00 AM	17793						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#AXP	11:30:00 AM	17794						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#AXP	3:30:00 PM	17796						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BA	9:30:00 AM	17797						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BA	11:30:00 AM	17798						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BA	1:30:00 PM	17799						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BA	3:30:00 PM	17800						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BABA	9:30:00 AM	17801						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BABA	11:30:00 AM	17802						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BABA	1:30:00 PM	17803						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BABA	3:30:00 PM	17804						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BAC	9:30:00 AM	17805						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BAC	11:30:00 AM	17806						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BAC	1:30:00 PM	17807						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BAC	3:30:00 PM	17808						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BARC	9:30:00 AM	17809						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#BARC	1:30:00 PM	17811						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BARC	3:30:00 PM	17812						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BHP	9:30:00 AM	17813						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BHP	11:30:00 AM	17814						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BHP	1:30:00 PM	17815						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BHP	3:30:00 PM	17816						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BIDU	9:30:00 AM	17817						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BIDU	11:30:00 AM	17818						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#Bitcoin	9:30:00 AM	17821						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Bitcoin	11:30:00 AM	17822						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Bitcoin	1:30:00 PM	17823						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Bitcoin	3:30:00 PM	17824						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BK	9:30:00 AM	17825						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BK	11:30:00 AM	17826						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BK	1:30:00 PM	17827						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#BK	3:30:00 PM	17828						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#BLT	11:30:00 AM	17830						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BLT	1:30:00 PM	17831						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BLT	3:30:00 PM	17832						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#BP	11:30:00 AM	17834						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BP	1:30:00 PM	17835						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BP	3:30:00 PM	17836						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BTA	9:30:00 AM	17837						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BTA	11:30:00 AM	17838						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BTA	1:30:00 PM	17839						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#BTA	3:30:00 PM	17840						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#C	9:30:00 AM	17841						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#C	11:30:00 AM	17842						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#C	1:30:00 PM	17843						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#C	3:30:00 PM	17844						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CAT	9:30:00 AM	17845						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CAT	11:30:00 AM	17846						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CAT	1:30:00 PM	17847						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CAT	3:30:00 PM	17848						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CHL	9:30:00 AM	17849						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CHL	11:30:00 AM	17850						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#CHL	3:30:00 PM	17852						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CL.f	9:30:00 AM	17853						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#CL.f	3:30:00 PM	17856						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CMCSA	9:30:00 AM	17857						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#CMCSA	1:30:00 PM	17859						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CMCSA	3:30:00 PM	17860						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CSCO	9:30:00 AM	17861						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#CSCO	11:30:00 AM	17862						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#CSCO	3:30:00 PM	17864						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CVX	9:30:00 AM	17865						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#CVX	11:30:00 AM	17866						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#ORAN	3:30:00 PM	18072						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ORCL	9:30:00 AM	18073						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ORCL	11:30:00 AM	18074						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ORCL	1:30:00 PM	18075						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ORCL	3:30:00 PM	18076						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PBR	9:30:00 AM	18077						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PBR	11:30:00 AM	18078						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PBR	1:30:00 PM	18079						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PBR	3:30:00 PM	18080						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PEP	9:30:00 AM	18081						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PEP	11:30:00 AM	18082						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PEP	1:30:00 PM	18083						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PEP	3:30:00 PM	18084						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PFE	9:30:00 AM	18085						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PFE	11:30:00 AM	18086						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PFE	1:30:00 PM	18087						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PFE	3:30:00 PM	18088						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PG	9:30:00 AM	18089						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PG	11:30:00 AM	18090						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PG	1:30:00 PM	18091						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#PG	3:30:00 PM	18092						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#POT	9:30:00 AM	18093						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#POT	11:30:00 AM	18094						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#POT	1:30:00 PM	18095						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#POT	3:30:00 PM	18096						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#QCOM	9:30:00 AM	18097						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#QCOM	11:30:00 AM	18098						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#QCOM	1:30:00 PM	18099						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#QCOM	3:30:00 PM	18100						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#QQQ	11:30:00 AM	18102						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#QQQ	1:30:00 PM	18103						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#QQQ	3:30:00 PM	18104						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Ripple	9:30:00 AM	18105						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Ripple	11:30:00 AM	18106						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Ripple	1:30:00 PM	18107						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#Ripple	3:30:00 PM	18108						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#S	9:30:00 AM	18109						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#S	11:30:00 AM	18110						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#S	1:30:00 PM	18111						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#S	3:30:00 PM	18112						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#SBUX	9:30:00 AM	18113						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#SBUX	3:30:00 PM	18116						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#SNE	9:30:00 AM	18117						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#SNE	11:30:00 AM	18118						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#SNE	3:30:00 PM	18120						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#SPY	11:30:00 AM	18122						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#SPY	1:30:00 PM	18123						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#SPY	3:30:00 PM	18124						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#T	9:30:00 AM	18125						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#T	11:30:00 AM	18126						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#T	1:30:00 PM	18127						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#T	3:30:00 PM	18128						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TEVA	9:30:00 AM	18129						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TEVA	11:30:00 AM	18130						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TEVA	1:30:00 PM	18131						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TEVA	3:30:00 PM	18132						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRI	9:30:00 AM	18133						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#TRI	11:30:00 AM	18134						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRI	1:30:00 PM	18135						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRI	3:30:00 PM	18136						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRV	9:30:00 AM	18137						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRV	11:30:00 AM	18138						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRV	1:30:00 PM	18139						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TRV	3:30:00 PM	18140						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#TSCO	1:30:00 PM	18143						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TSCO	3:30:00 PM	18144						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TSLA	9:30:00 AM	18145						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TSLA	11:30:00 AM	18146						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TSLA	1:30:00 PM	18147						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TSLA	3:30:00 PM	18148						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TWTR	9:30:00 AM	18149						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#TWTR	1:30:00 PM	18151						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#TWTR	3:30:00 PM	18152						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UBS	9:30:00 AM	18153						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UBS	11:30:00 AM	18154						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#UBS	3:30:00 PM	18156						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UL	9:30:00 AM	18157						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UL	11:30:00 AM	18158						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#UL	3:30:00 PM	18160						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UPS	9:30:00 AM	18161						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#UPS	1:30:00 PM	18163						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UPS	3:30:00 PM	18164						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UTX	9:30:00 AM	18165						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UTX	11:30:00 AM	18166						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#UTX	1:30:00 PM	18167						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#UTX	3:30:00 PM	18168						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#V	9:30:00 AM	18169						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#V	11:30:00 AM	18170						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#V	1:30:00 PM	18171						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#V	3:30:00 PM	18172						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VOD	9:30:00 AM	18173						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VOD	11:30:00 AM	18174						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VOD	1:30:00 PM	18175						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VOD	3:30:00 PM	18176						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VZ	9:30:00 AM	18177						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VZ	11:30:00 AM	18178						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VZ	1:30:00 PM	18179						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#VZ	3:30:00 PM	18180						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WDC	9:30:00 AM	18181						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WDC	11:30:00 AM	18182						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WDC	1:30:00 PM	18183						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WDC	3:30:00 PM	18184						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WFC	9:30:00 AM	18185						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WFC	11:30:00 AM	18186						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WFC	1:30:00 PM	18187						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WFC	3:30:00 PM	18188						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WMT	9:30:00 AM	18189						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WMT	11:30:00 AM	18190						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WMT	1:30:00 PM	18191						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#WMT	3:30:00 PM	18192						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#XOM	9:30:00 AM	18193						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#XOM	11:30:00 AM	18194						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#XOM	1:30:00 PM	18195						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#XOM	3:30:00 PM	18196						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#YHOO	9:30:00 AM	18197						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#YHOO	11:30:00 AM	18198						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#YHOO	1:30:00 PM	18199						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#YHOO	3:30:00 PM	18200						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	#ZNGA	9:30:00 AM	18201						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	#ZNGA	11:30:00 AM	18202						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	#ZNGA	3:30:00 PM	18204						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	AUDCAD	11:30:00 AM	18206						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD	1:30:00 PM	18207						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD	3:30:00 PM	18208						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD.fx	9:30:00 AM	18209						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD.fx	11:30:00 AM	18210						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD.fx	1:30:00 PM	18211						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCAD.fx	3:30:00 PM	18212						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF	9:30:00 AM	18213						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF	11:30:00 AM	18214						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF	1:30:00 PM	18215						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF	3:30:00 PM	18216						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF.fx	9:30:00 AM	18217						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF.fx	11:30:00 AM	18218						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF.fx	1:30:00 PM	18219						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCHF.fx	3:30:00 PM	18220						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCZK	9:30:00 AM	18221						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCZK	11:30:00 AM	18222						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCZK	1:30:00 PM	18223						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDCZK	3:30:00 PM	18224						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDDKK	9:30:00 AM	18225						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDDKK	11:30:00 AM	18226						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDDKK	1:30:00 PM	18227						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDDKK	3:30:00 PM	18228						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHKD	9:30:00 AM	18229						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHKD	11:30:00 AM	18230						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHKD	1:30:00 PM	18231						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHKD	3:30:00 PM	18232						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHUF	9:30:00 AM	18233						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHUF	11:30:00 AM	18234						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDHUF	1:30:00 PM	18235						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	AUDHUF	3:30:00 PM	18236						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY	9:30:00 AM	18237						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY	11:30:00 AM	18238						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY	1:30:00 PM	18239						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY	3:30:00 PM	18240						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY.fx	9:30:00 AM	18241						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY.fx	11:30:00 AM	18242						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY.fx	1:30:00 PM	18243						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDJPY.fx	3:30:00 PM	18244						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDMXN	9:30:00 AM	18245						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDMXN	11:30:00 AM	18246						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDMXN	1:30:00 PM	18247						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDMXN	3:30:00 PM	18248						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK	9:30:00 AM	18249						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK	11:30:00 AM	18250						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK	1:30:00 PM	18251						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK	3:30:00 PM	18252						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK.fx	9:30:00 AM	18253						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK.fx	11:30:00 AM	18254						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK.fx	1:30:00 PM	18255						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNOK.fx	3:30:00 PM	18256						Continuous Quote	N/A	ELECTRONIC	N/A
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10/16/2019	AUDNZD	11:30:00 AM	18258						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD	1:30:00 PM	18259						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD	3:30:00 PM	18260						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD.fx	9:30:00 AM	18261						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD.fx	11:30:00 AM	18262						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD.fx	1:30:00 PM	18263						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDNZD.fx	3:30:00 PM	18264						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDPLN	9:30:00 AM	18265						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDPLN	11:30:00 AM	18266						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDPLN	1:30:00 PM	18267						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDPLN	3:30:00 PM	18268						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK	9:30:00 AM	18269						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	AUDSEK	11:30:00 AM	18270						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK	1:30:00 PM	18271						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK	3:30:00 PM	18272						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK.fx	9:30:00 AM	18273						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK.fx	11:30:00 AM	18274						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK.fx	1:30:00 PM	18275						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSEK.fx	3:30:00 PM	18276						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD	9:30:00 AM	18277						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD	11:30:00 AM	18278						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD	1:30:00 PM	18279						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD	3:30:00 PM	18280						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD.fx	9:30:00 AM	18281						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD.fx	11:30:00 AM	18282						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD.fx	1:30:00 PM	18283						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDSGD.fx	3:30:00 PM	18284						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD	9:30:00 AM	18285						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD	11:30:00 AM	18286						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD	1:30:00 PM	18287						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD	3:30:00 PM	18288						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD.fx	9:30:00 AM	18289						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD.fx	11:30:00 AM	18290						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD.fx	1:30:00 PM	18291						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDUSD.fx	3:30:00 PM	18292						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDZAR	9:30:00 AM	18293						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDZAR	11:30:00 AM	18294						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDZAR	1:30:00 PM	18295						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUDZAR	3:30:00 PM	18296						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUS200.i	9:30:00 AM	18297						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUS200.i	11:30:00 AM	18298						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUS200.i	1:30:00 PM	18299						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	AUS200.i	3:30:00 PM	18300						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	BCHUSD	9:30:00 AM	18301						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	BCHUSD	11:30:00 AM	18302						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	BCHUSD	1:30:00 PM	18303						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	BCHUSD	3:30:00 PM	18304						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF	9:30:00 AM	18305						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF	11:30:00 AM	18306						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF	1:30:00 PM	18307						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF	3:30:00 PM	18308						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF.fx	9:30:00 AM	18309						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF.fx	11:30:00 AM	18310						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF.fx	1:30:00 PM	18311						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCHF.fx	3:30:00 PM	18312						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCZK	9:30:00 AM	18313						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCZK	11:30:00 AM	18314						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCZK	1:30:00 PM	18315						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADCZK	3:30:00 PM	18316						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADDDKK	9:30:00 AM	18317						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADDDKK	11:30:00 AM	18318						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADDDKK	1:30:00 PM	18319						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADDDKK	3:30:00 PM	18320						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHKD	9:30:00 AM	18321						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHKD	11:30:00 AM	18322						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHKD	1:30:00 PM	18323						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHKD	3:30:00 PM	18324						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHUF	9:30:00 AM	18325						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHUF	11:30:00 AM	18326						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHUF	1:30:00 PM	18327						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADHUF	3:30:00 PM	18328						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY	9:30:00 AM	18329						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY	11:30:00 AM	18330						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY	1:30:00 PM	18331						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY	3:30:00 PM	18332						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY.fx	9:30:00 AM	18333						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY.fx	11:30:00 AM	18334						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY.fx	1:30:00 PM	18335						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADJPY.fx	3:30:00 PM	18336						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADMXN	9:30:00 AM	18337						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	CADMXN	11:30:00 AM	18338						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADMXN	1:30:00 PM	18339						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADMXN	3:30:00 PM	18340						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADNOK	9:30:00 AM	18341						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADNOK	11:30:00 AM	18342						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADNOK	1:30:00 PM	18343						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADNOK	3:30:00 PM	18344						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADPLN	9:30:00 AM	18345						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADPLN	11:30:00 AM	18346						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADPLN	1:30:00 PM	18347						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADPLN	3:30:00 PM	18348						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSEK	9:30:00 AM	18349						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSEK	11:30:00 AM	18350						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSEK	1:30:00 PM	18351						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSEK	3:30:00 PM	18352						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSGD	9:30:00 AM	18353						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSGD	11:30:00 AM	18354						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSGD	1:30:00 PM	18355						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADSGD	3:30:00 PM	18356						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADZAR	9:30:00 AM	18357						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADZAR	11:30:00 AM	18358						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADZAR	1:30:00 PM	18359						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CADZAR	3:30:00 PM	18360						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFCZK	9:30:00 AM	18361						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFCZK	11:30:00 AM	18362						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFCZK	1:30:00 PM	18363						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFCZK	3:30:00 PM	18364						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK	9:30:00 AM	18365						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK	11:30:00 AM	18366						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK	1:30:00 PM	18367						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK	3:30:00 PM	18368						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK.fx	9:30:00 AM	18369						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK.fx	11:30:00 AM	18370						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFDKK.fx	1:30:00 PM	18371						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	CHFDKK.fx	3:30:00 PM	18372						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHKD	9:30:00 AM	18373						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHKD	11:30:00 AM	18374						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHKD	1:30:00 PM	18375						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHKD	3:30:00 PM	18376						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHUF	9:30:00 AM	18377						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHUF	11:30:00 AM	18378						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHUF	1:30:00 PM	18379						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFHUF	3:30:00 PM	18380						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY	9:30:00 AM	18381						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY	11:30:00 AM	18382						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY	1:30:00 PM	18383						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY	3:30:00 PM	18384						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY.fx	9:30:00 AM	18385						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY.fx	11:30:00 AM	18386						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY.fx	1:30:00 PM	18387						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFJPY.fx	3:30:00 PM	18388						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFMXN	9:30:00 AM	18389						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFMXN	11:30:00 AM	18390						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFMXN	1:30:00 PM	18391						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFMXN	3:30:00 PM	18392						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK	9:30:00 AM	18393						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK	11:30:00 AM	18394						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK	1:30:00 PM	18395						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK	3:30:00 PM	18396						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK.fx	9:30:00 AM	18397						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK.fx	11:30:00 AM	18398						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK.fx	1:30:00 PM	18399						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFNOK.fx	3:30:00 PM	18400						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN	9:30:00 AM	18401						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN	11:30:00 AM	18402						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN	1:30:00 PM	18403						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN	3:30:00 PM	18404						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN.fx	9:30:00 AM	18405						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	CHFPLN.fx	11:30:00 AM	18406						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN.fx	1:30:00 PM	18407						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFPLN.fx	3:30:00 PM	18408						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSEK	9:30:00 AM	18409						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSEK	11:30:00 AM	18410						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSEK	1:30:00 PM	18411						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSEK	3:30:00 PM	18412						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD	9:30:00 AM	18413						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD	11:30:00 AM	18414						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD	1:30:00 PM	18415						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD	3:30:00 PM	18416						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD.fx	9:30:00 AM	18417						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD.fx	11:30:00 AM	18418						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD.fx	1:30:00 PM	18419						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFSGD.fx	3:30:00 PM	18420						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFZAR	9:30:00 AM	18421						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFZAR	11:30:00 AM	18422						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFZAR	1:30:00 PM	18423						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CHFZAR	3:30:00 PM	18424						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CZKJPY	9:30:00 AM	18425						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CZKJPY	11:30:00 AM	18426						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CZKJPY	1:30:00 PM	18427						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	CZKJPY	3:30:00 PM	18428						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DAX30.i	9:30:00 AM	18429						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DAX30.i	11:30:00 AM	18430						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DAX30.i	1:30:00 PM	18431						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DAX30.i	3:30:00 PM	18432						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DJ30.i	9:30:00 AM	18433						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DJ30.i	11:30:00 AM	18434						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DJ30.i	1:30:00 PM	18435						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DJ30.i	3:30:00 PM	18436						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DKKJPY	9:30:00 AM	18437						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DKKJPY	11:30:00 AM	18438						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	DKKJPY	1:30:00 PM	18439						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	DKKJPY	3:30:00 PM	18440						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD	9:30:00 AM	18441						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD	11:30:00 AM	18442						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD	1:30:00 PM	18443						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD	3:30:00 PM	18444						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD.fx	9:30:00 AM	18445						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD.fx	11:30:00 AM	18446						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD.fx	1:30:00 PM	18447						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURAUD.fx	3:30:00 PM	18448						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD	9:30:00 AM	18449						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD	11:30:00 AM	18450						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD	1:30:00 PM	18451						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD	3:30:00 PM	18452						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD.fx	9:30:00 AM	18453						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD.fx	11:30:00 AM	18454						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD.fx	1:30:00 PM	18455						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCAD.fx	3:30:00 PM	18456						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF	9:30:00 AM	18457						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF	11:30:00 AM	18458						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF	1:30:00 PM	18459						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF	3:30:00 PM	18460						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF.fx	9:30:00 AM	18461						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF.fx	11:30:00 AM	18462						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF.fx	1:30:00 PM	18463						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCHF.fx	3:30:00 PM	18464						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCZK	9:30:00 AM	18465						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCZK	11:30:00 AM	18466						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCZK	1:30:00 PM	18467						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURCZK	3:30:00 PM	18468						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURDKK	9:30:00 AM	18469						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURDKK	11:30:00 AM	18470						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURDKK	1:30:00 PM	18471						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURDKK	3:30:00 PM	18472						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP	9:30:00 AM	18473						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	EURGBP	11:30:00 AM	18474						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP	1:30:00 PM	18475						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP	3:30:00 PM	18476						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP.fx	9:30:00 AM	18477						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP.fx	11:30:00 AM	18478						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP.fx	1:30:00 PM	18479						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURGBP.fx	3:30:00 PM	18480						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD	9:30:00 AM	18481						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD	11:30:00 AM	18482						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD	1:30:00 PM	18483						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD	3:30:00 PM	18484						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD.fx	9:30:00 AM	18485						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD.fx	11:30:00 AM	18486						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD.fx	1:30:00 PM	18487						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHKD.fx	3:30:00 PM	18488						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF	9:30:00 AM	18489						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF	11:30:00 AM	18490						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF	1:30:00 PM	18491						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF	3:30:00 PM	18492						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF.fx	9:30:00 AM	18493						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF.fx	11:30:00 AM	18494						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF.fx	1:30:00 PM	18495						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURHUF.fx	3:30:00 PM	18496						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY	9:30:00 AM	18497						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY	11:30:00 AM	18498						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY	1:30:00 PM	18499						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY	3:30:00 PM	18500						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY.fx	9:30:00 AM	18501						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY.fx	11:30:00 AM	18502						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY.fx	1:30:00 PM	18503						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURJPY.fx	3:30:00 PM	18504						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN	9:30:00 AM	18505						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN	11:30:00 AM	18506						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN	1:30:00 PM	18507						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	EURMXN	3:30:00 PM	18508						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN.fx	9:30:00 AM	18509						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN.fx	11:30:00 AM	18510						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN.fx	1:30:00 PM	18511						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURMXN.fx	3:30:00 PM	18512						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK	9:30:00 AM	18513						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK	11:30:00 AM	18514						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK	1:30:00 PM	18515						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK	3:30:00 PM	18516						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK.fx	9:30:00 AM	18517						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK.fx	11:30:00 AM	18518						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK.fx	1:30:00 PM	18519						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNOK.fx	3:30:00 PM	18520						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD	9:30:00 AM	18521						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD	11:30:00 AM	18522						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD	1:30:00 PM	18523						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD	3:30:00 PM	18524						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD.fx	9:30:00 AM	18525						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD.fx	11:30:00 AM	18526						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD.fx	1:30:00 PM	18527						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURNZD.fx	3:30:00 PM	18528						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN	9:30:00 AM	18529						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN	11:30:00 AM	18530						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN	1:30:00 PM	18531						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN	3:30:00 PM	18532						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN.fx	9:30:00 AM	18533						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN.fx	11:30:00 AM	18534						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN.fx	1:30:00 PM	18535						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURPLN.fx	3:30:00 PM	18536						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURRUB	9:30:00 AM	18537						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURRUB	11:30:00 AM	18538						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURRUB	1:30:00 PM	18539						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURRUB	3:30:00 PM	18540						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK	9:30:00 AM	18541						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	EURSEK	11:30:00 AM	18542						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK	1:30:00 PM	18543						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK	3:30:00 PM	18544						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK.fx	9:30:00 AM	18545						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK.fx	11:30:00 AM	18546						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK.fx	1:30:00 PM	18547						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSEK.fx	3:30:00 PM	18548						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD	9:30:00 AM	18549						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD	11:30:00 AM	18550						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD	1:30:00 PM	18551						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD	3:30:00 PM	18552						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD.fx	9:30:00 AM	18553						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD.fx	11:30:00 AM	18554						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD.fx	1:30:00 PM	18555						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURSGD.fx	3:30:00 PM	18556						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD	9:30:00 AM	18557						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD	11:30:00 AM	18558						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD	1:30:00 PM	18559						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD	3:30:00 PM	18560						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD.fx	9:30:00 AM	18561						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD.fx	11:30:00 AM	18562						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD.fx	1:30:00 PM	18563						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURUSD.fx	3:30:00 PM	18564						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR	9:30:00 AM	18565						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR	11:30:00 AM	18566						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR	1:30:00 PM	18567						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR	3:30:00 PM	18568						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR.fx	9:30:00 AM	18569						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR.fx	11:30:00 AM	18570						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR.fx	1:30:00 PM	18571						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	EURZAR.fx	3:30:00 PM	18572						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD	9:30:00 AM	18573						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD	11:30:00 AM	18574						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD	1:30:00 PM	18575						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	GBPAUD	3:30:00 PM	18576						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD.fx	9:30:00 AM	18577						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD.fx	11:30:00 AM	18578						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD.fx	1:30:00 PM	18579						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPAUD.fx	3:30:00 PM	18580						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD	9:30:00 AM	18581						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD	11:30:00 AM	18582						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD	1:30:00 PM	18583						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD	3:30:00 PM	18584						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD.fx	9:30:00 AM	18585						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD.fx	11:30:00 AM	18586						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD.fx	1:30:00 PM	18587						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCAD.fx	3:30:00 PM	18588						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF	9:30:00 AM	18589						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF	11:30:00 AM	18590						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF	1:30:00 PM	18591						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF	3:30:00 PM	18592						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF.fx	9:30:00 AM	18593						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF.fx	11:30:00 AM	18594						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF.fx	1:30:00 PM	18595						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCHF.fx	3:30:00 PM	18596						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCZK	9:30:00 AM	18597						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCZK	11:30:00 AM	18598						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCZK	1:30:00 PM	18599						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPCZK	3:30:00 PM	18600						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK	9:30:00 AM	18601						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK	11:30:00 AM	18602						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK	1:30:00 PM	18603						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK	3:30:00 PM	18604						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK.fx	9:30:00 AM	18605						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK.fx	11:30:00 AM	18606						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK.fx	1:30:00 PM	18607						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPDKK.fx	3:30:00 PM	18608						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHKD	9:30:00 AM	18609						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	GBPHKD	11:30:00 AM	18610						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHKD	1:30:00 PM	18611						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHKD	3:30:00 PM	18612						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHUF	9:30:00 AM	18613						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHUF	11:30:00 AM	18614						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHUF	1:30:00 PM	18615						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPHUF	3:30:00 PM	18616						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY	9:30:00 AM	18617						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY	11:30:00 AM	18618						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY	1:30:00 PM	18619						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY	3:30:00 PM	18620						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY.fx	9:30:00 AM	18621						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY.fx	11:30:00 AM	18622						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY.fx	1:30:00 PM	18623						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPJPY.fx	3:30:00 PM	18624						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPMXN	9:30:00 AM	18625						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPMXN	11:30:00 AM	18626						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPMXN	1:30:00 PM	18627						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPMXN	3:30:00 PM	18628						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK	9:30:00 AM	18629						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK	11:30:00 AM	18630						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK	1:30:00 PM	18631						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK	3:30:00 PM	18632						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK.fx	9:30:00 AM	18633						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK.fx	11:30:00 AM	18634						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK.fx	1:30:00 PM	18635						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNOK.fx	3:30:00 PM	18636						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD	9:30:00 AM	18637						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD	11:30:00 AM	18638						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD	1:30:00 PM	18639						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD	3:30:00 PM	18640						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD.fx	9:30:00 AM	18641						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD.fx	11:30:00 AM	18642						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPNZD.fx	1:30:00 PM	18643						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	GBPNZD.fx	3:30:00 PM	18644						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN	9:30:00 AM	18645						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN	11:30:00 AM	18646						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN	1:30:00 PM	18647						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN	3:30:00 PM	18648						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN.fx	9:30:00 AM	18649						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN.fx	11:30:00 AM	18650						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN.fx	1:30:00 PM	18651						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPPLN.fx	3:30:00 PM	18652						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK	9:30:00 AM	18653						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK	11:30:00 AM	18654						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK	1:30:00 PM	18655						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK	3:30:00 PM	18656						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK.fx	9:30:00 AM	18657						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK.fx	11:30:00 AM	18658						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK.fx	1:30:00 PM	18659						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSEK.fx	3:30:00 PM	18660						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD	9:30:00 AM	18661						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD	11:30:00 AM	18662						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD	1:30:00 PM	18663						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD	3:30:00 PM	18664						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD.fx	9:30:00 AM	18665						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD.fx	11:30:00 AM	18666						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD.fx	1:30:00 PM	18667						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPSGD.fx	3:30:00 PM	18668						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD	9:30:00 AM	18669						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD	11:30:00 AM	18670						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD	1:30:00 PM	18671						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD	3:30:00 PM	18672						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD.fx	9:30:00 AM	18673						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD.fx	11:30:00 AM	18674						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD.fx	1:30:00 PM	18675						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPUSD.fx	3:30:00 PM	18676						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR	9:30:00 AM	18677						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	GBPZAR	11:30:00 AM	18678						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR	1:30:00 PM	18679						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR	3:30:00 PM	18680						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR.fx	9:30:00 AM	18681						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR.fx	11:30:00 AM	18682						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR.fx	1:30:00 PM	18683						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GBPZAR.fx	3:30:00 PM	18684						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GOLD	9:30:00 AM	18685						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GOLD	11:30:00 AM	18686						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GOLD	1:30:00 PM	18687						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	GOLD	3:30:00 PM	18688						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY	9:30:00 AM	18689						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY	11:30:00 AM	18690						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY	1:30:00 PM	18691						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY	3:30:00 PM	18692						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY.fx	9:30:00 AM	18693						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY.fx	11:30:00 AM	18694						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY.fx	1:30:00 PM	18695						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HKDJPY.fx	3:30:00 PM	18696						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HUFJPY	9:30:00 AM	18697						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HUFJPY	11:30:00 AM	18698						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HUFJPY	1:30:00 PM	18699						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	HUFJPY	3:30:00 PM	18700						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JP225.i	9:30:00 AM	18701						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JP225.i	11:30:00 AM	18702						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JP225.i	1:30:00 PM	18703						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JP225.i	3:30:00 PM	18704						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	MXNJPY	9:30:00 AM	18705						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	MXNJPY	11:30:00 AM	18706						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	MXNJPY	1:30:00 PM	18707						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	MXNJPY	3:30:00 PM	18708						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NASDAQ.i	9:30:00 AM	18709						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NASDAQ.i	11:30:00 AM	18710						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NASDAQ.i	1:30:00 PM	18711						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	NASDAQ.i	3:30:00 PM	18712						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY	9:30:00 AM	18713						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY	11:30:00 AM	18714						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY	1:30:00 PM	18715						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY	3:30:00 PM	18716						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY.fx	9:30:00 AM	18717						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY.fx	11:30:00 AM	18718						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY.fx	1:30:00 PM	18719						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NOKJPY.fx	3:30:00 PM	18720						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD	9:30:00 AM	18721						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD	11:30:00 AM	18722						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD	1:30:00 PM	18723						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD	3:30:00 PM	18724						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD.fx	9:30:00 AM	18725						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD.fx	11:30:00 AM	18726						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD.fx	1:30:00 PM	18727						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCAD.fx	3:30:00 PM	18728						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF	9:30:00 AM	18729						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF	11:30:00 AM	18730						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF	1:30:00 PM	18731						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF	3:30:00 PM	18732						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF.fx	9:30:00 AM	18733						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF.fx	11:30:00 AM	18734						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF.fx	1:30:00 PM	18735						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCHF.fx	3:30:00 PM	18736						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCZK	9:30:00 AM	18737						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCZK	11:30:00 AM	18738						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCZK	1:30:00 PM	18739						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDCZK	3:30:00 PM	18740						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDDKK	9:30:00 AM	18741						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDDKK	11:30:00 AM	18742						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDDKK	1:30:00 PM	18743						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDDKK	3:30:00 PM	18744						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHKD	9:30:00 AM	18745						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	NZDHKD	11:30:00 AM	18746						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHKD	1:30:00 PM	18747						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHKD	3:30:00 PM	18748						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHUF	9:30:00 AM	18749						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHUF	11:30:00 AM	18750						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHUF	1:30:00 PM	18751						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDHUF	3:30:00 PM	18752						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY	9:30:00 AM	18753						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY	11:30:00 AM	18754						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY	1:30:00 PM	18755						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY	3:30:00 PM	18756						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY.fx	9:30:00 AM	18757						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY.fx	11:30:00 AM	18758						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY.fx	1:30:00 PM	18759						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDJPY.fx	3:30:00 PM	18760						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDMXN	9:30:00 AM	18761						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDMXN	11:30:00 AM	18762						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDMXN	1:30:00 PM	18763						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDMXN	3:30:00 PM	18764						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDNOK	9:30:00 AM	18765						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDNOK	11:30:00 AM	18766						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDNOK	1:30:00 PM	18767						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDNOK	3:30:00 PM	18768						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDPLN	9:30:00 AM	18769						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDPLN	11:30:00 AM	18770						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDPLN	1:30:00 PM	18771						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDPLN	3:30:00 PM	18772						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSEK	9:30:00 AM	18773						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSEK	11:30:00 AM	18774						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSEK	1:30:00 PM	18775						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSEK	3:30:00 PM	18776						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD	9:30:00 AM	18777						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD	11:30:00 AM	18778						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD	1:30:00 PM	18779						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	NZDSGD	3:30:00 PM	18780						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD.fx	9:30:00 AM	18781						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD.fx	11:30:00 AM	18782						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD.fx	1:30:00 PM	18783						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDSGD.fx	3:30:00 PM	18784						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD	9:30:00 AM	18785						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD	11:30:00 AM	18786						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD	1:30:00 PM	18787						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD	3:30:00 PM	18788						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD.fx	9:30:00 AM	18789						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD.fx	11:30:00 AM	18790						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD.fx	1:30:00 PM	18791						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDUSD.fx	3:30:00 PM	18792						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDZAR	9:30:00 AM	18793						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDZAR	11:30:00 AM	18794						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDZAR	1:30:00 PM	18795						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	NZDZAR	3:30:00 PM	18796						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY	9:30:00 AM	18797						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY	11:30:00 AM	18798						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY	1:30:00 PM	18799						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY	3:30:00 PM	18800						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY.fx	9:30:00 AM	18801						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY.fx	11:30:00 AM	18802						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY.fx	1:30:00 PM	18803						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SEKJPY.fx	3:30:00 PM	18804						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SGDJPY	9:30:00 AM	18805						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SGDJPY	11:30:00 AM	18806						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SGDJPY	1:30:00 PM	18807						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SGDJPY	3:30:00 PM	18808						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SILVER	9:30:00 AM	18809						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SILVER	11:30:00 AM	18810						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SILVER	1:30:00 PM	18811						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SILVER	3:30:00 PM	18812						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SPX500.i	9:30:00 AM	18813						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	SPX500.i	11:30:00 AM	18814						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SPX500.i	1:30:00 PM	18815						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	SPX500.i	3:30:00 PM	18816						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	UK100.i	9:30:00 AM	18817						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	UK100.i	11:30:00 AM	18818						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	UK100.i	1:30:00 PM	18819						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	UK100.i	3:30:00 PM	18820						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD	9:30:00 AM	18821						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD	11:30:00 AM	18822						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD	1:30:00 PM	18823						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD	3:30:00 PM	18824						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD.fx	9:30:00 AM	18825						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD.fx	11:30:00 AM	18826						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD.fx	1:30:00 PM	18827						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCAD.fx	3:30:00 PM	18828						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF	9:30:00 AM	18829						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF	11:30:00 AM	18830						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF	1:30:00 PM	18831						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF	3:30:00 PM	18832						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF.fx	9:30:00 AM	18833						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF.fx	11:30:00 AM	18834						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF.fx	1:30:00 PM	18835						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCHF.fx	3:30:00 PM	18836						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK	9:30:00 AM	18837						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK	11:30:00 AM	18838						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK	1:30:00 PM	18839						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK	3:30:00 PM	18840						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK.fx	9:30:00 AM	18841						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK.fx	11:30:00 AM	18842						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK.fx	1:30:00 PM	18843						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDCZK.fx	3:30:00 PM	18844						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK	9:30:00 AM	18845						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK	11:30:00 AM	18846						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK	1:30:00 PM	18847						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	USDDKK	3:30:00 PM	18848						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK.fx	9:30:00 AM	18849						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK.fx	11:30:00 AM	18850						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK.fx	1:30:00 PM	18851						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDDKK.fx	3:30:00 PM	18852						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD	9:30:00 AM	18853						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD	11:30:00 AM	18854						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD	1:30:00 PM	18855						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD	3:30:00 PM	18856						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD.fx	9:30:00 AM	18857						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD.fx	11:30:00 AM	18858						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD.fx	1:30:00 PM	18859						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHKD.fx	3:30:00 PM	18860						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF	9:30:00 AM	18861						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF	11:30:00 AM	18862						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF	1:30:00 PM	18863						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF	3:30:00 PM	18864						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF.fx	9:30:00 AM	18865						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF.fx	11:30:00 AM	18866						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF.fx	1:30:00 PM	18867						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDHUF.fx	3:30:00 PM	18868						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDINR	9:30:00 AM	18869						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDINR	11:30:00 AM	18870						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDINR	1:30:00 PM	18871						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDINR	3:30:00 PM	18872						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY	9:30:00 AM	18873						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY	11:30:00 AM	18874						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY	1:30:00 PM	18875						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY	3:30:00 PM	18876						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY.fx	9:30:00 AM	18877						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY.fx	11:30:00 AM	18878						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY.fx	1:30:00 PM	18879						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDJPY.fx	3:30:00 PM	18880						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDMXN	9:30:00 AM	18881						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	USDMXN	11:30:00 AM	18882						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDMXN	1:30:00 PM	18883						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDMXN	3:30:00 PM	18884						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JSDMXN.fx	9:30:00 AM	18885						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JSDMXN.fx	11:30:00 AM	18886						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JSDMXN.fx	1:30:00 PM	18887						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	JSDMXN.fx	3:30:00 PM	18888						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK	9:30:00 AM	18889						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK	11:30:00 AM	18890						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK	1:30:00 PM	18891						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK	3:30:00 PM	18892						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK.fx	9:30:00 AM	18893						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK.fx	11:30:00 AM	18894						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK.fx	1:30:00 PM	18895						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDNOK.fx	3:30:00 PM	18896						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN	9:30:00 AM	18897						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN	11:30:00 AM	18898						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN	1:30:00 PM	18899						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN	3:30:00 PM	18900						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN.fx	9:30:00 AM	18901						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN.fx	11:30:00 AM	18902						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN.fx	1:30:00 PM	18903						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDPLN.fx	3:30:00 PM	18904						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDRUB	9:30:00 AM	18905						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDRUB	11:30:00 AM	18906						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDRUB	1:30:00 PM	18907						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDRUB	3:30:00 PM	18908						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK	9:30:00 AM	18909						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK	11:30:00 AM	18910						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK	1:30:00 PM	18911						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK	3:30:00 PM	18912						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK.fx	9:30:00 AM	18913						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK.fx	11:30:00 AM	18914						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSEK.fx	1:30:00 PM	18915						Continuous Quote	N/A	ELECTRONIC	N/A

10/16/2019	USDSEK.fx	3:30:00 PM	18916						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD	9:30:00 AM	18917						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD	11:30:00 AM	18918						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD	1:30:00 PM	18919						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD	3:30:00 PM	18920						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD.fx	9:30:00 AM	18921						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD.fx	11:30:00 AM	18922						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD.fx	1:30:00 PM	18923						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDSGD.fx	3:30:00 PM	18924						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR	9:30:00 AM	18925						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR	11:30:00 AM	18926						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR	1:30:00 PM	18927						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR	3:30:00 PM	18928						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR.fx	9:30:00 AM	18929						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR.fx	11:30:00 AM	18930						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR.fx	1:30:00 PM	18931						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	USDZAR.fx	3:30:00 PM	18932						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	XAUUSD	9:30:00 AM	18933						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	XAUUSD	11:30:00 AM	18934						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	XAUUSD	1:30:00 PM	18935						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	XAUUSD	3:30:00 PM	18936						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY	9:30:00 AM	18937						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY	11:30:00 AM	18938						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY	1:30:00 PM	18939						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY	3:30:00 PM	18940						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY.fx	9:30:00 AM	18941						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY.fx	11:30:00 AM	18942						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY.fx	1:30:00 PM	18943						Continuous Quote	N/A	ELECTRONIC	N/A
10/16/2019	ZARJPY.fx	3:30:00 PM	18944						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AA	9:30:00 AM	18945						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AA	11:30:00 AM	18946						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AA	1:30:00 PM	18947						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AA	3:30:00 PM	18948						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AABA	9:30:00 AM	18949						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	#AABA	11:30:00 AM	18950						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AABA	1:30:00 PM	18951						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AABA	3:30:00 PM	18952						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAL	9:30:00 AM	18953						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAL	11:30:00 AM	18954						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAL	1:30:00 PM	18955						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAL	3:30:00 PM	18956						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAPL	9:30:00 AM	18957						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAPL	11:30:00 AM	18958						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAPL	1:30:00 PM	18959						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AAPL	3:30:00 PM	18960						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#ADBE	9:30:00 AM	18961						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#ADBE	11:30:00 AM	18962						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#ADBE	1:30:00 PM	18963						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#ADBE	3:30:00 PM	18964						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AIG	9:30:00 AM	18965						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AIG	11:30:00 AM	18966						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AIG	1:30:00 PM	18967						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AIG	3:30:00 PM	18968						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMD	9:30:00 AM	18969						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#AMD	1:30:00 PM	18971						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMD	3:30:00 PM	18972						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMZN	9:30:00 AM	18973						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMZN	11:30:00 AM	18974						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMZN	1:30:00 PM	18975						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AMZN	3:30:00 PM	18976						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AXP	9:30:00 AM	18977						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AXP	11:30:00 AM	18978						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#AXP	1:30:00 PM	18979						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BA	9:30:00 AM	18981						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BA	11:30:00 AM	18982						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BA	1:30:00 PM	18983						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	#BA	3:30:00 PM	18984						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BABA	11:30:00 AM	18986						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BABA	1:30:00 PM	18987						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BABA	3:30:00 PM	18988						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BAC	9:30:00 AM	18989						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BAC	1:30:00 PM	18991						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BAC	3:30:00 PM	18992						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BARC	9:30:00 AM	18993						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BARC	3:30:00 PM	18996						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BHP	9:30:00 AM	18997						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BHP	11:30:00 AM	18998						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BHP	1:30:00 PM	18999						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BHP	3:30:00 PM	19000						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BIDU	9:30:00 AM	19001						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BIDU	11:30:00 AM	19002						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BIDU	1:30:00 PM	19003						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BIDU	3:30:00 PM	19004						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#Bitcoin	9:30:00 AM	19005						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BK	9:30:00 AM	19009						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BK	1:30:00 PM	19011						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BK	3:30:00 PM	19012						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BLT	9:30:00 AM	19013						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BLT	11:30:00 AM	19014						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BLT	1:30:00 PM	19015						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BLT	3:30:00 PM	19016						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#BP	11:30:00 AM	19018						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BP	1:30:00 PM	19019						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BP	3:30:00 PM	19020						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BTA	9:30:00 AM	19021						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BTA	11:30:00 AM	19022						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BTA	1:30:00 PM	19023						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#BTA	3:30:00 PM	19024						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#C	9:30:00 AM	19025						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#C	11:30:00 AM	19026						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#C	1:30:00 PM	19027						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#C	3:30:00 PM	19028						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CAT	9:30:00 AM	19029						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CAT	11:30:00 AM	19030						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#CAT	3:30:00 PM	19032						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CHL	9:30:00 AM	19033						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CHL	11:30:00 AM	19034						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#CHL	3:30:00 PM	19036						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CL.f	9:30:00 AM	19037						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#CL.f	3:30:00 PM	19040						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CMCSA	9:30:00 AM	19041						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CMCSA	11:30:00 AM	19042						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CMCSA	1:30:00 PM	19043						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CMCSA	3:30:00 PM	19044						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CSCO	9:30:00 AM	19045						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CSCO	11:30:00 AM	19046						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CSCO	1:30:00 PM	19047						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CSCO	3:30:00 PM	19048						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CVX	9:30:00 AM	19049						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CVX	11:30:00 AM	19050						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#CVX	1:30:00 PM	19051						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	#CVX	3:30:00 PM	19052						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DD	9:30:00 AM	19053						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DD	11:30:00 AM	19054						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DD	1:30:00 PM	19055						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DD	3:30:00 PM	19056						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DIS	9:30:00 AM	19057						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#DIS	11:30:00 AM	19058						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#DIS	3:30:00 PM	19060						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#Ethereum	3:30:00 PM	19072						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#F	9:30:00 AM	19073						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#F	11:30:00 AM	19074						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#F	1:30:00 PM	19075						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#F	3:30:00 PM	19076						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#FB	9:30:00 AM	19077						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#FB	11:30:00 AM	19078						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#FB	1:30:00 PM	19079						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#FCX	11:30:00 AM	19082						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#FCX	1:30:00 PM	19083						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#FCX	3:30:00 PM	19084						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#FDX	3:30:00 PM	19088						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GE	11:30:00 AM	19094						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GILD	1:30:00 PM	19103						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#GILD	3:30:00 PM	19104						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GOOG	11:30:00 AM	19106						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GOOG	3:30:00 PM	19108						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GS	11:30:00 AM	19110						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GS	3:30:00 PM	19112						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GSK	11:30:00 AM	19114						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#GSK	3:30:00 PM	19116						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HAL	11:30:00 AM	19118						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HAL	3:30:00 PM	19120						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HD	3:30:00 PM	19124						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HON	11:30:00 AM	19126						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HON	3:30:00 PM	19128						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HPQ	3:30:00 PM	19132						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#HSBA	9:30:00 AM	19133						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#HSBA	1:30:00 PM	19135						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#HSBA	3:30:00 PM	19136						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#IBM	9:30:00 AM	19137						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#IBM	3:30:00 PM	19140						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#IP	3:30:00 PM	19152						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#JCP	3:30:00 PM	19156						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#JNJ	3:30:00 PM	19160						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#JPM	1:30:00 PM	19163						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#KHC	9:30:00 AM	19165						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#KO	3:30:00 PM	19172						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#LLOY	11:30:00 AM	19178						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#LLOY	1:30:00 PM	19179						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#LLOY	3:30:00 PM	19180						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#LNKD	9:30:00 AM	19181						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#LNKD	11:30:00 AM	19182						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#LNKD	3:30:00 PM	19184						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MA	11:30:00 AM	19186						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#MA	1:30:00 PM	19187						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	#MA	3:30:00 PM	19188						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MCD	11:30:00 AM	19190						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MCD	3:30:00 PM	19192						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MON	11:30:00 AM	19210						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MRK	11:30:00 AM	19214						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#MRVL	1:30:00 PM	19219						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#MRVL	3:30:00 PM	19220						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#NFLX	3:30:00 PM	19236						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#NG.f	11:30:00 AM	19238						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#NG.f	3:30:00 PM	19240						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#ORAN	9:30:00 AM	19253						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#ORAN	11:30:00 AM	19254						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#ORAN	3:30:00 PM	19256						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#PG	9:30:00 AM	19273						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#PG	11:30:00 AM	19274						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#PG	3:30:00 PM	19276						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#POT	11:30:00 AM	19278						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#POT	3:30:00 PM	19280						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#QQQ	3:30:00 PM	19288						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#Ripple	3:30:00 PM	19292						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#S	11:30:00 AM	19294						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#S	3:30:00 PM	19296						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#SBUX	11:30:00 AM	19298						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#SPY	3:30:00 PM	19308						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#T	11:30:00 AM	19310						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#T	3:30:00 PM	19312						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#TEVA	3:30:00 PM	19316						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TRI	9:30:00 AM	19317						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TRI	11:30:00 AM	19318						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#TRI	3:30:00 PM	19320						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TRV	9:30:00 AM	19321						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TRV	11:30:00 AM	19322						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#TRV	3:30:00 PM	19324						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#TSCO	11:30:00 AM	19326						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#TSCO	3:30:00 PM	19328						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TSLA	9:30:00 AM	19329						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TSLA	11:30:00 AM	19330						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TSLA	1:30:00 PM	19331						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TSLA	3:30:00 PM	19332						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TWTR	9:30:00 AM	19333						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TWTR	11:30:00 AM	19334						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TWTR	1:30:00 PM	19335						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#TWTR	3:30:00 PM	19336						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#UBS	3:30:00 PM	19340						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#UL	9:30:00 AM	19341						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#UL	11:30:00 AM	19342						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#UL	1:30:00 PM	19343						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#UL	3:30:00 PM	19344						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#UPS	9:30:00 AM	19345						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#UTX	3:30:00 PM	19352						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#V	9:30:00 AM	19353						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#V	1:30:00 PM	19355						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#V	3:30:00 PM	19356						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#VZ	9:30:00 AM	19361						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#VZ	3:30:00 PM	19364						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#WDC	1:30:00 PM	19367						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	#WDC	3:30:00 PM	19368						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#WFC	3:30:00 PM	19372						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#WMT	3:30:00 PM	19376						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	#XOM	3:30:00 PM	19380						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDCAD.fx	3:30:00 PM	19396						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDCHF	3:30:00 PM	19400						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDCHF.fx	9:30:00 AM	19401						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDCHF.fx	3:30:00 PM	19404						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDCZK	9:30:00 AM	19405						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDDKK	9:30:00 AM	19409						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDDKK	1:30:00 PM	19411						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDHKD	1:30:00 PM	19415						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDHKD	3:30:00 PM	19416						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDHUF	9:30:00 AM	19417						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDHUF	11:30:00 AM	19418						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDHUF	1:30:00 PM	19419						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDHUF	3:30:00 PM	19420						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDJPY	9:30:00 AM	19421						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDMXN	1:30:00 PM	19431						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDMXN	3:30:00 PM	19432						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDNOK	9:30:00 AM	19433						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDNOK	11:30:00 AM	19434						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDNOK	3:30:00 PM	19436						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDNZD	3:30:00 PM	19444						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDNZD.fx	3:30:00 PM	19448						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDSEK	1:30:00 PM	19455						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSEK	3:30:00 PM	19456						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSEK.fx	9:30:00 AM	19457						Continuous Quote	N/A	ELECTRONIC	N/A
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10/17/2019	AUDSEK.fx	1:30:00 PM	19459						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	AUDSEK.fx	3:30:00 PM	19460						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD	9:30:00 AM	19461						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD	11:30:00 AM	19462						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD	1:30:00 PM	19463						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD	3:30:00 PM	19464						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD.fx	9:30:00 AM	19465						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD.fx	11:30:00 AM	19466						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD.fx	1:30:00 PM	19467						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDSGD.fx	3:30:00 PM	19468						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD	9:30:00 AM	19469						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD	11:30:00 AM	19470						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD	1:30:00 PM	19471						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD	3:30:00 PM	19472						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD.fx	9:30:00 AM	19473						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD.fx	11:30:00 AM	19474						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD.fx	1:30:00 PM	19475						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDUSD.fx	3:30:00 PM	19476						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDZAR	9:30:00 AM	19477						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDZAR	11:30:00 AM	19478						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDZAR	1:30:00 PM	19479						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUDZAR	3:30:00 PM	19480						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUS200.i	9:30:00 AM	19481						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUS200.i	11:30:00 AM	19482						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUS200.i	1:30:00 PM	19483						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	AUS200.i	3:30:00 PM	19484						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	BCHUSD	9:30:00 AM	19485						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	BCHUSD	11:30:00 AM	19486						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	BCHUSD	1:30:00 PM	19487						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	BCHUSD	3:30:00 PM	19488						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF	9:30:00 AM	19489						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF	11:30:00 AM	19490						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF	1:30:00 PM	19491						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF	3:30:00 PM	19492						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF.fx	9:30:00 AM	19493						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	CADCHF.fx	11:30:00 AM	19494						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF.fx	1:30:00 PM	19495						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCHF.fx	3:30:00 PM	19496						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCZK	9:30:00 AM	19497						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCZK	11:30:00 AM	19498						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCZK	1:30:00 PM	19499						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADCZK	3:30:00 PM	19500						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADDDKK	9:30:00 AM	19501						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADDDKK	11:30:00 AM	19502						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADDDKK	1:30:00 PM	19503						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADDDKK	3:30:00 PM	19504						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHKD	9:30:00 AM	19505						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHKD	11:30:00 AM	19506						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHKD	1:30:00 PM	19507						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHKD	3:30:00 PM	19508						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHUF	9:30:00 AM	19509						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHUF	11:30:00 AM	19510						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHUF	1:30:00 PM	19511						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADHUF	3:30:00 PM	19512						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY	9:30:00 AM	19513						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY	11:30:00 AM	19514						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY	1:30:00 PM	19515						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY	3:30:00 PM	19516						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY.fx	9:30:00 AM	19517						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY.fx	11:30:00 AM	19518						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY.fx	1:30:00 PM	19519						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADJPY.fx	3:30:00 PM	19520						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADMXN	9:30:00 AM	19521						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADMXN	11:30:00 AM	19522						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADMXN	1:30:00 PM	19523						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADMXN	3:30:00 PM	19524						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADNOK	9:30:00 AM	19525						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADNOK	11:30:00 AM	19526						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADNOK	1:30:00 PM	19527						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	CADNOK	3:30:00 PM	19528						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADPLN	9:30:00 AM	19529						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADPLN	11:30:00 AM	19530						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADPLN	1:30:00 PM	19531						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADPLN	3:30:00 PM	19532						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSEK	9:30:00 AM	19533						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSEK	11:30:00 AM	19534						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSEK	1:30:00 PM	19535						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSEK	3:30:00 PM	19536						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSGD	9:30:00 AM	19537						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSGD	11:30:00 AM	19538						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSGD	1:30:00 PM	19539						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADSGD	3:30:00 PM	19540						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADZAR	9:30:00 AM	19541						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADZAR	11:30:00 AM	19542						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADZAR	1:30:00 PM	19543						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CADZAR	3:30:00 PM	19544						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFCZK	9:30:00 AM	19545						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFCZK	11:30:00 AM	19546						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFCZK	1:30:00 PM	19547						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFCZK	3:30:00 PM	19548						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK	9:30:00 AM	19549						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK	11:30:00 AM	19550						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK	1:30:00 PM	19551						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK	3:30:00 PM	19552						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK.fx	9:30:00 AM	19553						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK.fx	11:30:00 AM	19554						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK.fx	1:30:00 PM	19555						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFDKK.fx	3:30:00 PM	19556						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHKD	9:30:00 AM	19557						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHKD	11:30:00 AM	19558						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHKD	1:30:00 PM	19559						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHKD	3:30:00 PM	19560						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHUF	9:30:00 AM	19561						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	CHFHFUF	11:30:00 AM	19562						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHFUF	1:30:00 PM	19563						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFHFUF	3:30:00 PM	19564						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY	9:30:00 AM	19565						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY	11:30:00 AM	19566						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY	1:30:00 PM	19567						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY	3:30:00 PM	19568						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY.fx	9:30:00 AM	19569						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY.fx	11:30:00 AM	19570						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY.fx	1:30:00 PM	19571						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFJPY.fx	3:30:00 PM	19572						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFMXN	9:30:00 AM	19573						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFMXN	11:30:00 AM	19574						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFMXN	1:30:00 PM	19575						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFMXN	3:30:00 PM	19576						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK	9:30:00 AM	19577						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK	11:30:00 AM	19578						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK	1:30:00 PM	19579						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK	3:30:00 PM	19580						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK.fx	9:30:00 AM	19581						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK.fx	11:30:00 AM	19582						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK.fx	1:30:00 PM	19583						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFNOK.fx	3:30:00 PM	19584						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN	9:30:00 AM	19585						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN	11:30:00 AM	19586						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN	1:30:00 PM	19587						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN	3:30:00 PM	19588						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN.fx	9:30:00 AM	19589						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN.fx	11:30:00 AM	19590						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN.fx	1:30:00 PM	19591						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFPLN.fx	3:30:00 PM	19592						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSEK	9:30:00 AM	19593						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSEK	11:30:00 AM	19594						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSEK	1:30:00 PM	19595						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	CHFSEK	3:30:00 PM	19596						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD	9:30:00 AM	19597						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD	11:30:00 AM	19598						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD	1:30:00 PM	19599						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD	3:30:00 PM	19600						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD.fx	9:30:00 AM	19601						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD.fx	11:30:00 AM	19602						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD.fx	1:30:00 PM	19603						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFSGD.fx	3:30:00 PM	19604						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFZAR	9:30:00 AM	19605						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFZAR	11:30:00 AM	19606						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFZAR	1:30:00 PM	19607						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CHFZAR	3:30:00 PM	19608						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CZKJPY	9:30:00 AM	19609						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CZKJPY	11:30:00 AM	19610						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CZKJPY	1:30:00 PM	19611						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	CZKJPY	3:30:00 PM	19612						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DAX30.i	9:30:00 AM	19613						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DAX30.i	11:30:00 AM	19614						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DAX30.i	1:30:00 PM	19615						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DAX30.i	3:30:00 PM	19616						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DJ30.i	9:30:00 AM	19617						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DJ30.i	11:30:00 AM	19618						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DJ30.i	1:30:00 PM	19619						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DJ30.i	3:30:00 PM	19620						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DKKJPY	9:30:00 AM	19621						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DKKJPY	11:30:00 AM	19622						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DKKJPY	1:30:00 PM	19623						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	DKKJPY	3:30:00 PM	19624						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD	9:30:00 AM	19625						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD	11:30:00 AM	19626						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD	1:30:00 PM	19627						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD	3:30:00 PM	19628						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD.fx	9:30:00 AM	19629						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	EURAUD.fx	11:30:00 AM	19630						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD.fx	1:30:00 PM	19631						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURAUD.fx	3:30:00 PM	19632						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD	9:30:00 AM	19633						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD	11:30:00 AM	19634						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD	1:30:00 PM	19635						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD	3:30:00 PM	19636						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD.fx	9:30:00 AM	19637						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD.fx	11:30:00 AM	19638						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD.fx	1:30:00 PM	19639						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCAD.fx	3:30:00 PM	19640						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF	9:30:00 AM	19641						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF	11:30:00 AM	19642						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF	1:30:00 PM	19643						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF	3:30:00 PM	19644						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF.fx	9:30:00 AM	19645						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF.fx	11:30:00 AM	19646						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF.fx	1:30:00 PM	19647						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCHF.fx	3:30:00 PM	19648						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCZK	9:30:00 AM	19649						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCZK	11:30:00 AM	19650						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCZK	1:30:00 PM	19651						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURCZK	3:30:00 PM	19652						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURDKK	9:30:00 AM	19653						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURDKK	11:30:00 AM	19654						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURDKK	1:30:00 PM	19655						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURDKK	3:30:00 PM	19656						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP	9:30:00 AM	19657						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP	11:30:00 AM	19658						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP	1:30:00 PM	19659						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP	3:30:00 PM	19660						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP.fx	9:30:00 AM	19661						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP.fx	11:30:00 AM	19662						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURGBP.fx	1:30:00 PM	19663						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	EURGBP.fx	3:30:00 PM	19664						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD	9:30:00 AM	19665						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD	11:30:00 AM	19666						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD	1:30:00 PM	19667						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD	3:30:00 PM	19668						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD.fx	9:30:00 AM	19669						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD.fx	11:30:00 AM	19670						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD.fx	1:30:00 PM	19671						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHKD.fx	3:30:00 PM	19672						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF	9:30:00 AM	19673						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF	11:30:00 AM	19674						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF	1:30:00 PM	19675						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF	3:30:00 PM	19676						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF.fx	9:30:00 AM	19677						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF.fx	11:30:00 AM	19678						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF.fx	1:30:00 PM	19679						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURHUF.fx	3:30:00 PM	19680						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY	9:30:00 AM	19681						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY	11:30:00 AM	19682						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY	1:30:00 PM	19683						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY	3:30:00 PM	19684						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY.fx	9:30:00 AM	19685						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY.fx	11:30:00 AM	19686						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY.fx	1:30:00 PM	19687						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURJPY.fx	3:30:00 PM	19688						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN	9:30:00 AM	19689						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN	11:30:00 AM	19690						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN	1:30:00 PM	19691						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN	3:30:00 PM	19692						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN.fx	9:30:00 AM	19693						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN.fx	11:30:00 AM	19694						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN.fx	1:30:00 PM	19695						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURMXN.fx	3:30:00 PM	19696						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK	9:30:00 AM	19697						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	EURNOK	11:30:00 AM	19698						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK	1:30:00 PM	19699						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK	3:30:00 PM	19700						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK.fx	9:30:00 AM	19701						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK.fx	11:30:00 AM	19702						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK.fx	1:30:00 PM	19703						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNOK.fx	3:30:00 PM	19704						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD	9:30:00 AM	19705						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD	11:30:00 AM	19706						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD	1:30:00 PM	19707						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD	3:30:00 PM	19708						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD.fx	9:30:00 AM	19709						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD.fx	11:30:00 AM	19710						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD.fx	1:30:00 PM	19711						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURNZD.fx	3:30:00 PM	19712						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN	9:30:00 AM	19713						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN	11:30:00 AM	19714						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN	1:30:00 PM	19715						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN	3:30:00 PM	19716						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN.fx	9:30:00 AM	19717						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN.fx	11:30:00 AM	19718						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN.fx	1:30:00 PM	19719						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURPLN.fx	3:30:00 PM	19720						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURRUB	9:30:00 AM	19721						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURRUB	11:30:00 AM	19722						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURRUB	1:30:00 PM	19723						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURRUB	3:30:00 PM	19724						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK	9:30:00 AM	19725						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK	11:30:00 AM	19726						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK	1:30:00 PM	19727						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK	3:30:00 PM	19728						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK.fx	9:30:00 AM	19729						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK.fx	11:30:00 AM	19730						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSEK.fx	1:30:00 PM	19731						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	EURSEK.fx	3:30:00 PM	19732						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD	9:30:00 AM	19733						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD	11:30:00 AM	19734						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD	1:30:00 PM	19735						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD	3:30:00 PM	19736						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD.fx	9:30:00 AM	19737						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD.fx	11:30:00 AM	19738						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD.fx	1:30:00 PM	19739						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURSGD.fx	3:30:00 PM	19740						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD	9:30:00 AM	19741						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD	11:30:00 AM	19742						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD	1:30:00 PM	19743						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD	3:30:00 PM	19744						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD.fx	9:30:00 AM	19745						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD.fx	11:30:00 AM	19746						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD.fx	1:30:00 PM	19747						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURUSD.fx	3:30:00 PM	19748						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR	9:30:00 AM	19749						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR	11:30:00 AM	19750						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR	1:30:00 PM	19751						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR	3:30:00 PM	19752						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR.fx	9:30:00 AM	19753						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR.fx	11:30:00 AM	19754						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR.fx	1:30:00 PM	19755						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	EURZAR.fx	3:30:00 PM	19756						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD	9:30:00 AM	19757						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD	11:30:00 AM	19758						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD	1:30:00 PM	19759						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD	3:30:00 PM	19760						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD.fx	9:30:00 AM	19761						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD.fx	11:30:00 AM	19762						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD.fx	1:30:00 PM	19763						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPAUD.fx	3:30:00 PM	19764						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD	9:30:00 AM	19765						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	GBPCAD	11:30:00 AM	19766						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD	1:30:00 PM	19767						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD	3:30:00 PM	19768						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD.fx	9:30:00 AM	19769						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD.fx	11:30:00 AM	19770						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD.fx	1:30:00 PM	19771						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCAD.fx	3:30:00 PM	19772						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF	9:30:00 AM	19773						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF	11:30:00 AM	19774						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF	1:30:00 PM	19775						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF	3:30:00 PM	19776						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF.fx	9:30:00 AM	19777						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF.fx	11:30:00 AM	19778						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF.fx	1:30:00 PM	19779						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCHF.fx	3:30:00 PM	19780						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCZK	9:30:00 AM	19781						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCZK	11:30:00 AM	19782						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCZK	1:30:00 PM	19783						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPCZK	3:30:00 PM	19784						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK	9:30:00 AM	19785						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK	11:30:00 AM	19786						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK	1:30:00 PM	19787						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK	3:30:00 PM	19788						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK.fx	9:30:00 AM	19789						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK.fx	11:30:00 AM	19790						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK.fx	1:30:00 PM	19791						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPDKK.fx	3:30:00 PM	19792						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHKD	9:30:00 AM	19793						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHKD	11:30:00 AM	19794						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHKD	1:30:00 PM	19795						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHKD	3:30:00 PM	19796						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHUF	9:30:00 AM	19797						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHUF	11:30:00 AM	19798						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPHUF	1:30:00 PM	19799						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	GBPHUF	3:30:00 PM	19800						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY	9:30:00 AM	19801						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY	11:30:00 AM	19802						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY	1:30:00 PM	19803						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY	3:30:00 PM	19804						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY.fx	9:30:00 AM	19805						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY.fx	11:30:00 AM	19806						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY.fx	1:30:00 PM	19807						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPJPY.fx	3:30:00 PM	19808						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPMXN	9:30:00 AM	19809						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPMXN	11:30:00 AM	19810						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPMXN	1:30:00 PM	19811						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPMXN	3:30:00 PM	19812						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK	9:30:00 AM	19813						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK	11:30:00 AM	19814						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK	1:30:00 PM	19815						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK	3:30:00 PM	19816						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK.fx	9:30:00 AM	19817						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK.fx	11:30:00 AM	19818						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK.fx	1:30:00 PM	19819						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNOK.fx	3:30:00 PM	19820						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD	9:30:00 AM	19821						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD	11:30:00 AM	19822						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD	1:30:00 PM	19823						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD	3:30:00 PM	19824						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD.fx	9:30:00 AM	19825						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD.fx	11:30:00 AM	19826						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD.fx	1:30:00 PM	19827						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPNZD.fx	3:30:00 PM	19828						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN	9:30:00 AM	19829						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN	11:30:00 AM	19830						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN	1:30:00 PM	19831						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN	3:30:00 PM	19832						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN.fx	9:30:00 AM	19833						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	GBPPLN.fx	11:30:00 AM	19834						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN.fx	1:30:00 PM	19835						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPPLN.fx	3:30:00 PM	19836						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK	9:30:00 AM	19837						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK	11:30:00 AM	19838						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK	1:30:00 PM	19839						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK	3:30:00 PM	19840						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK.fx	9:30:00 AM	19841						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK.fx	11:30:00 AM	19842						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK.fx	1:30:00 PM	19843						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSEK.fx	3:30:00 PM	19844						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD	9:30:00 AM	19845						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD	11:30:00 AM	19846						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD	1:30:00 PM	19847						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD	3:30:00 PM	19848						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD.fx	9:30:00 AM	19849						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD.fx	11:30:00 AM	19850						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD.fx	1:30:00 PM	19851						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPSGD.fx	3:30:00 PM	19852						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD	9:30:00 AM	19853						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD	11:30:00 AM	19854						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD	1:30:00 PM	19855						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD	3:30:00 PM	19856						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD.fx	9:30:00 AM	19857						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD.fx	11:30:00 AM	19858						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD.fx	1:30:00 PM	19859						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPUSD.fx	3:30:00 PM	19860						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR	9:30:00 AM	19861						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR	11:30:00 AM	19862						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR	1:30:00 PM	19863						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR	3:30:00 PM	19864						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR.fx	9:30:00 AM	19865						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR.fx	11:30:00 AM	19866						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GBPZAR.fx	1:30:00 PM	19867						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	GBPZAR.fx	3:30:00 PM	19868						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GOLD	9:30:00 AM	19869						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GOLD	11:30:00 AM	19870						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GOLD	1:30:00 PM	19871						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	GOLD	3:30:00 PM	19872						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY	9:30:00 AM	19873						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY	11:30:00 AM	19874						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY	1:30:00 PM	19875						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY	3:30:00 PM	19876						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY.fx	9:30:00 AM	19877						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY.fx	11:30:00 AM	19878						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY.fx	1:30:00 PM	19879						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HKDJPY.fx	3:30:00 PM	19880						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HUFJPY	9:30:00 AM	19881						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HUFJPY	11:30:00 AM	19882						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HUFJPY	1:30:00 PM	19883						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	HUFJPY	3:30:00 PM	19884						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JP225.i	9:30:00 AM	19885						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JP225.i	11:30:00 AM	19886						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JP225.i	1:30:00 PM	19887						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JP225.i	3:30:00 PM	19888						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	MXNJPY	9:30:00 AM	19889						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	MXNJPY	11:30:00 AM	19890						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	MXNJPY	1:30:00 PM	19891						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	MXNJPY	3:30:00 PM	19892						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NASDAQ.i	9:30:00 AM	19893						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NASDAQ.i	11:30:00 AM	19894						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NASDAQ.i	1:30:00 PM	19895						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NASDAQ.i	3:30:00 PM	19896						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY	9:30:00 AM	19897						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY	11:30:00 AM	19898						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY	1:30:00 PM	19899						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY	3:30:00 PM	19900						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY.fx	9:30:00 AM	19901						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	NOKJPY.fx	11:30:00 AM	19902						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY.fx	1:30:00 PM	19903						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NOKJPY.fx	3:30:00 PM	19904						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD	9:30:00 AM	19905						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD	11:30:00 AM	19906						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD	1:30:00 PM	19907						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD	3:30:00 PM	19908						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD.fx	9:30:00 AM	19909						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD.fx	11:30:00 AM	19910						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD.fx	1:30:00 PM	19911						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCAD.fx	3:30:00 PM	19912						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF	9:30:00 AM	19913						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF	11:30:00 AM	19914						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF	1:30:00 PM	19915						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF	3:30:00 PM	19916						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF.fx	9:30:00 AM	19917						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF.fx	11:30:00 AM	19918						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF.fx	1:30:00 PM	19919						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCHF.fx	3:30:00 PM	19920						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCZK	9:30:00 AM	19921						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCZK	11:30:00 AM	19922						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCZK	1:30:00 PM	19923						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDCZK	3:30:00 PM	19924						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDDKK	9:30:00 AM	19925						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDDKK	11:30:00 AM	19926						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDDKK	1:30:00 PM	19927						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDDKK	3:30:00 PM	19928						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHKD	9:30:00 AM	19929						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHKD	11:30:00 AM	19930						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHKD	1:30:00 PM	19931						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHKD	3:30:00 PM	19932						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHUF	9:30:00 AM	19933						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHUF	11:30:00 AM	19934						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDHUF	1:30:00 PM	19935						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	NZDHUF	3:30:00 PM	19936						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY	9:30:00 AM	19937						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY	11:30:00 AM	19938						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY	1:30:00 PM	19939						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY	3:30:00 PM	19940						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY.fx	9:30:00 AM	19941						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY.fx	11:30:00 AM	19942						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY.fx	1:30:00 PM	19943						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDJPY.fx	3:30:00 PM	19944						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDMXN	9:30:00 AM	19945						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDMXN	11:30:00 AM	19946						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDMXN	1:30:00 PM	19947						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDMXN	3:30:00 PM	19948						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDNOK	9:30:00 AM	19949						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDNOK	11:30:00 AM	19950						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDNOK	1:30:00 PM	19951						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDNOK	3:30:00 PM	19952						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDPLN	9:30:00 AM	19953						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDPLN	11:30:00 AM	19954						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDPLN	1:30:00 PM	19955						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDPLN	3:30:00 PM	19956						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSEK	9:30:00 AM	19957						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSEK	11:30:00 AM	19958						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSEK	1:30:00 PM	19959						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSEK	3:30:00 PM	19960						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD	9:30:00 AM	19961						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD	11:30:00 AM	19962						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD	1:30:00 PM	19963						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD	3:30:00 PM	19964						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD.fx	9:30:00 AM	19965						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD.fx	11:30:00 AM	19966						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD.fx	1:30:00 PM	19967						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDSGD.fx	3:30:00 PM	19968						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD	9:30:00 AM	19969						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	NZDUSD	11:30:00 AM	19970						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD	1:30:00 PM	19971						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD	3:30:00 PM	19972						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD.fx	9:30:00 AM	19973						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD.fx	11:30:00 AM	19974						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD.fx	1:30:00 PM	19975						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDUSD.fx	3:30:00 PM	19976						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDZAR	9:30:00 AM	19977						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDZAR	11:30:00 AM	19978						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDZAR	1:30:00 PM	19979						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	NZDZAR	3:30:00 PM	19980						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY	9:30:00 AM	19981						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY	11:30:00 AM	19982						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY	1:30:00 PM	19983						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY	3:30:00 PM	19984						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY.fx	9:30:00 AM	19985						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY.fx	11:30:00 AM	19986						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY.fx	1:30:00 PM	19987						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SEKJPY.fx	3:30:00 PM	19988						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SGDJPY	9:30:00 AM	19989						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SGDJPY	11:30:00 AM	19990						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SGDJPY	1:30:00 PM	19991						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SGDJPY	3:30:00 PM	19992						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SILVER	9:30:00 AM	19993						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SILVER	11:30:00 AM	19994						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SILVER	1:30:00 PM	19995						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SILVER	3:30:00 PM	19996						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SPX500.i	9:30:00 AM	19997						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SPX500.i	11:30:00 AM	19998						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SPX500.i	1:30:00 PM	19999						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	SPX500.i	3:30:00 PM	20000						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	UK100.i	9:30:00 AM	20001						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	UK100.i	11:30:00 AM	20002						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	UK100.i	1:30:00 PM	20003						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	UK100.i	3:30:00 PM	20004						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD	9:30:00 AM	20005						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD	11:30:00 AM	20006						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD	1:30:00 PM	20007						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD	3:30:00 PM	20008						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD.fx	9:30:00 AM	20009						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD.fx	11:30:00 AM	20010						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD.fx	1:30:00 PM	20011						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCAD.fx	3:30:00 PM	20012						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF	9:30:00 AM	20013						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF	11:30:00 AM	20014						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF	1:30:00 PM	20015						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF	3:30:00 PM	20016						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF.fx	9:30:00 AM	20017						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF.fx	11:30:00 AM	20018						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF.fx	1:30:00 PM	20019						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCHF.fx	3:30:00 PM	20020						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK	9:30:00 AM	20021						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK	11:30:00 AM	20022						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK	1:30:00 PM	20023						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK	3:30:00 PM	20024						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK.fx	9:30:00 AM	20025						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK.fx	11:30:00 AM	20026						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK.fx	1:30:00 PM	20027						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDCZK.fx	3:30:00 PM	20028						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK	9:30:00 AM	20029						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK	11:30:00 AM	20030						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK	1:30:00 PM	20031						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK	3:30:00 PM	20032						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK.fx	9:30:00 AM	20033						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK.fx	11:30:00 AM	20034						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK.fx	1:30:00 PM	20035						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDDKK.fx	3:30:00 PM	20036						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD	9:30:00 AM	20037						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	USDHKD	11:30:00 AM	20038						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD	1:30:00 PM	20039						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD	3:30:00 PM	20040						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD.fx	9:30:00 AM	20041						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD.fx	11:30:00 AM	20042						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD.fx	1:30:00 PM	20043						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHKD.fx	3:30:00 PM	20044						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF	9:30:00 AM	20045						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF	11:30:00 AM	20046						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF	1:30:00 PM	20047						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF	3:30:00 PM	20048						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF.fx	9:30:00 AM	20049						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF.fx	11:30:00 AM	20050						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF.fx	1:30:00 PM	20051						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDHUF.fx	3:30:00 PM	20052						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDINR	9:30:00 AM	20053						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDINR	11:30:00 AM	20054						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDINR	1:30:00 PM	20055						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDINR	3:30:00 PM	20056						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY	9:30:00 AM	20057						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY	11:30:00 AM	20058						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY	1:30:00 PM	20059						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY	3:30:00 PM	20060						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY.fx	9:30:00 AM	20061						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY.fx	11:30:00 AM	20062						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY.fx	1:30:00 PM	20063						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDJPY.fx	3:30:00 PM	20064						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDMXN	9:30:00 AM	20065						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDMXN	11:30:00 AM	20066						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDMXN	1:30:00 PM	20067						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDMXN	3:30:00 PM	20068						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JSDMXN.fx	9:30:00 AM	20069						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JSDMXN.fx	11:30:00 AM	20070						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	JSDMXN.fx	1:30:00 PM	20071						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	USDMXN.fx	3:30:00 PM	20072						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK	9:30:00 AM	20073						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK	11:30:00 AM	20074						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK	1:30:00 PM	20075						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK	3:30:00 PM	20076						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK.fx	9:30:00 AM	20077						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK.fx	11:30:00 AM	20078						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK.fx	1:30:00 PM	20079						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDNOK.fx	3:30:00 PM	20080						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN	9:30:00 AM	20081						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN	11:30:00 AM	20082						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN	1:30:00 PM	20083						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN	3:30:00 PM	20084						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN.fx	9:30:00 AM	20085						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN.fx	11:30:00 AM	20086						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN.fx	1:30:00 PM	20087						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDPLN.fx	3:30:00 PM	20088						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDRUB	9:30:00 AM	20089						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDRUB	11:30:00 AM	20090						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDRUB	1:30:00 PM	20091						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDRUB	3:30:00 PM	20092						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK	9:30:00 AM	20093						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK	11:30:00 AM	20094						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK	1:30:00 PM	20095						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK	3:30:00 PM	20096						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK.fx	9:30:00 AM	20097						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK.fx	11:30:00 AM	20098						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK.fx	1:30:00 PM	20099						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSEK.fx	3:30:00 PM	20100						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD	9:30:00 AM	20101						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD	11:30:00 AM	20102						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD	1:30:00 PM	20103						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD	3:30:00 PM	20104						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD.fx	9:30:00 AM	20105						Continuous Quote	N/A	ELECTRONIC	N/A

10/17/2019	USDSGD.fx	11:30:00 AM	20106						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD.fx	1:30:00 PM	20107						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDSGD.fx	3:30:00 PM	20108						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR	9:30:00 AM	20109						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR	11:30:00 AM	20110						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR	1:30:00 PM	20111						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR	3:30:00 PM	20112						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR.fx	9:30:00 AM	20113						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR.fx	11:30:00 AM	20114						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR.fx	1:30:00 PM	20115						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	USDZAR.fx	3:30:00 PM	20116						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	XAUUSD	9:30:00 AM	20117						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	XAUUSD	11:30:00 AM	20118						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	XAUUSD	1:30:00 PM	20119						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	XAUUSD	3:30:00 PM	20120						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY	9:30:00 AM	20121						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY	11:30:00 AM	20122						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY	1:30:00 PM	20123						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY	3:30:00 PM	20124						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY.fx	9:30:00 AM	20125						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY.fx	11:30:00 AM	20126						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY.fx	1:30:00 PM	20127						Continuous Quote	N/A	ELECTRONIC	N/A
10/17/2019	ZARJPY.fx	3:30:00 PM	20128						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AA	9:30:00 AM	20129						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AA	11:30:00 AM	20130						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AA	1:30:00 PM	20131						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AA	3:30:00 PM	20132						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AABA	9:30:00 AM	20133						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AABA	11:30:00 AM	20134						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AABA	1:30:00 PM	20135						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AABA	3:30:00 PM	20136						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAL	9:30:00 AM	20137						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAL	11:30:00 AM	20138						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAL	1:30:00 PM	20139						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#AAL	3:30:00 PM	20140						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAPL	9:30:00 AM	20141						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAPL	11:30:00 AM	20142						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAPL	1:30:00 PM	20143						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AAPL	3:30:00 PM	20144						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#ADBE	9:30:00 AM	20145						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#ADBE	11:30:00 AM	20146						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#ADBE	1:30:00 PM	20147						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#ADBE	3:30:00 PM	20148						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AIG	9:30:00 AM	20149						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AIG	11:30:00 AM	20150						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AIG	1:30:00 PM	20151						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AIG	3:30:00 PM	20152						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMD	9:30:00 AM	20153						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMD	11:30:00 AM	20154						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMD	1:30:00 PM	20155						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMD	3:30:00 PM	20156						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMZN	9:30:00 AM	20157						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMZN	11:30:00 AM	20158						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMZN	1:30:00 PM	20159						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AMZN	3:30:00 PM	20160						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AXP	9:30:00 AM	20161						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AXP	11:30:00 AM	20162						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AXP	1:30:00 PM	20163						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#AXP	3:30:00 PM	20164						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BA	9:30:00 AM	20165						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BA	11:30:00 AM	20166						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BA	1:30:00 PM	20167						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BA	3:30:00 PM	20168						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BABA	9:30:00 AM	20169						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BABA	11:30:00 AM	20170						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BABA	1:30:00 PM	20171						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BABA	3:30:00 PM	20172						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BAC	9:30:00 AM	20173						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#BAC	11:30:00 AM	20174						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BAC	1:30:00 PM	20175						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BAC	3:30:00 PM	20176						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BARC	9:30:00 AM	20177						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BARC	11:30:00 AM	20178						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BARC	1:30:00 PM	20179						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BARC	3:30:00 PM	20180						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BHP	9:30:00 AM	20181						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BHP	11:30:00 AM	20182						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BHP	1:30:00 PM	20183						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BHP	3:30:00 PM	20184						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BIDU	9:30:00 AM	20185						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BIDU	11:30:00 AM	20186						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BIDU	1:30:00 PM	20187						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BIDU	3:30:00 PM	20188						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Bitcoin	9:30:00 AM	20189						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Bitcoin	11:30:00 AM	20190						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Bitcoin	1:30:00 PM	20191						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Bitcoin	3:30:00 PM	20192						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BK	9:30:00 AM	20193						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#BK	3:30:00 PM	20196						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BLT	9:30:00 AM	20197						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BLT	11:30:00 AM	20198						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BLT	1:30:00 PM	20199						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BLT	3:30:00 PM	20200						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BP	9:30:00 AM	20201						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BP	11:30:00 AM	20202						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BP	1:30:00 PM	20203						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BP	3:30:00 PM	20204						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BTA	9:30:00 AM	20205						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BTA	11:30:00 AM	20206						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#BTA	1:30:00 PM	20207						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#BTA	3:30:00 PM	20208						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#C	9:30:00 AM	20209						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#C	11:30:00 AM	20210						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#C	1:30:00 PM	20211						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#C	3:30:00 PM	20212						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CAT	9:30:00 AM	20213						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CAT	11:30:00 AM	20214						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CAT	1:30:00 PM	20215						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CAT	3:30:00 PM	20216						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CHL	9:30:00 AM	20217						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CHL	11:30:00 AM	20218						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CHL	1:30:00 PM	20219						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CHL	3:30:00 PM	20220						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CL.f	9:30:00 AM	20221						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#CL.f	3:30:00 PM	20224						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CMCSA	9:30:00 AM	20225						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CMCSA	11:30:00 AM	20226						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CMCSA	1:30:00 PM	20227						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CMCSA	3:30:00 PM	20228						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CSCO	9:30:00 AM	20229						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CSCO	11:30:00 AM	20230						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CSCO	1:30:00 PM	20231						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CSCO	3:30:00 PM	20232						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CVX	9:30:00 AM	20233						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CVX	11:30:00 AM	20234						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CVX	1:30:00 PM	20235						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#CVX	3:30:00 PM	20236						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DD	9:30:00 AM	20237						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DD	11:30:00 AM	20238						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DD	1:30:00 PM	20239						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DD	3:30:00 PM	20240						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DIS	9:30:00 AM	20241						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#DIS	11:30:00 AM	20242						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DIS	1:30:00 PM	20243						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DIS	3:30:00 PM	20244						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DWDP	9:30:00 AM	20245						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DWDP	11:30:00 AM	20246						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DWDP	1:30:00 PM	20247						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#DWDP	3:30:00 PM	20248						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#EBAY	11:30:00 AM	20250						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#EBAY	1:30:00 PM	20251						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#Ethereum	1:30:00 PM	20255						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Ethereum	3:30:00 PM	20256						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#F	9:30:00 AM	20257						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#F	11:30:00 AM	20258						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#F	1:30:00 PM	20259						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#F	3:30:00 PM	20260						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#FB	11:30:00 AM	20262						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FB	1:30:00 PM	20263						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FB	3:30:00 PM	20264						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#FCX	11:30:00 AM	20266						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#FCX	3:30:00 PM	20268						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FDX	9:30:00 AM	20269						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FDX	11:30:00 AM	20270						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FDX	1:30:00 PM	20271						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FDX	3:30:00 PM	20272						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FSLR	9:30:00 AM	20273						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FSLR	11:30:00 AM	20274						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#FSLR	1:30:00 PM	20275						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#FSLR	3:30:00 PM	20276						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GE	11:30:00 AM	20278						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GE	1:30:00 PM	20279						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GE	3:30:00 PM	20280						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GEN	1:30:00 PM	20283						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GEN	3:30:00 PM	20284						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GILD	9:30:00 AM	20285						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GILD	11:30:00 AM	20286						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GILD	1:30:00 PM	20287						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GILD	3:30:00 PM	20288						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GOOG	3:30:00 PM	20292						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GS	1:30:00 PM	20295						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#GS	3:30:00 PM	20296						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GSK	11:30:00 AM	20298						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#GSK	3:30:00 PM	20300						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#HD	11:30:00 AM	20306						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#HD	3:30:00 PM	20308						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#HON	9:30:00 AM	20309						Continuous Quote	N/A	ELECTRONIC	N/A

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10/18/2019	#HON	1:30:00 PM	20311						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#HON	3:30:00 PM	20312						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#HPQ	3:30:00 PM	20316						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#HSBA	11:30:00 AM	20318						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#HSBA	3:30:00 PM	20320						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#IBM	11:30:00 AM	20322						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#IBM	1:30:00 PM	20323						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#IBM	3:30:00 PM	20324						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#INTC	9:30:00 AM	20329						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#INTC	1:30:00 PM	20331						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#IP	3:30:00 PM	20336						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#JCP	1:30:00 PM	20339						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#JNJ	9:30:00 AM	20341						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#JNJ	3:30:00 PM	20344						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#JPM	11:30:00 AM	20346						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#JPM	3:30:00 PM	20348						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#LLOY	9:30:00 AM	20361						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#LNKD	3:30:00 PM	20368						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#MA	9:30:00 AM	20369						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#MCD	3:30:00 PM	20376						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#MDLZ	3:30:00 PM	20380						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#MO	3:30:00 PM	20392						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#NG.f	3:30:00 PM	20424						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#NKE	3:30:00 PM	20428						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#NTDOY	3:30:00 PM	20436						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#ORAN	9:30:00 AM	20437						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#PBR	3:30:00 PM	20448						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PEP	9:30:00 AM	20449						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PEP	11:30:00 AM	20450						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PEP	1:30:00 PM	20451						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PEP	3:30:00 PM	20452						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#PFE	11:30:00 AM	20454						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#PG	9:30:00 AM	20457						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PG	11:30:00 AM	20458						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PG	1:30:00 PM	20459						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#PG	3:30:00 PM	20460						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#POT	9:30:00 AM	20461						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#POT	11:30:00 AM	20462						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#POT	1:30:00 PM	20463						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#POT	3:30:00 PM	20464						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QCOM	9:30:00 AM	20465						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QCOM	11:30:00 AM	20466						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QCOM	1:30:00 PM	20467						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QCOM	3:30:00 PM	20468						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QQQ	9:30:00 AM	20469						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QQQ	11:30:00 AM	20470						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QQQ	1:30:00 PM	20471						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#QQQ	3:30:00 PM	20472						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Ripple	9:30:00 AM	20473						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Ripple	11:30:00 AM	20474						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Ripple	1:30:00 PM	20475						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#Ripple	3:30:00 PM	20476						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#S	9:30:00 AM	20477						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#S	11:30:00 AM	20478						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#S	1:30:00 PM	20479						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#S	3:30:00 PM	20480						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#SBUX	11:30:00 AM	20482						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SBUX	1:30:00 PM	20483						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SBUX	3:30:00 PM	20484						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SNE	9:30:00 AM	20485						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SNE	11:30:00 AM	20486						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SNE	1:30:00 PM	20487						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SNE	3:30:00 PM	20488						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SPY	9:30:00 AM	20489						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SPY	11:30:00 AM	20490						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SPY	1:30:00 PM	20491						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#SPY	3:30:00 PM	20492						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#T	9:30:00 AM	20493						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#T	11:30:00 AM	20494						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#T	1:30:00 PM	20495						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#T	3:30:00 PM	20496						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TEVA	9:30:00 AM	20497						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TEVA	11:30:00 AM	20498						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TEVA	1:30:00 PM	20499						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TEVA	3:30:00 PM	20500						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRI	9:30:00 AM	20501						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRI	11:30:00 AM	20502						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#TRI	3:30:00 PM	20504						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRV	9:30:00 AM	20505						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRV	11:30:00 AM	20506						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRV	1:30:00 PM	20507						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TRV	3:30:00 PM	20508						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSCO	9:30:00 AM	20509						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSCO	11:30:00 AM	20510						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSCO	1:30:00 PM	20511						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSCO	3:30:00 PM	20512						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSLA	9:30:00 AM	20513						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#TSLA	11:30:00 AM	20514						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSLA	1:30:00 PM	20515						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TSLA	3:30:00 PM	20516						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TWTR	9:30:00 AM	20517						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TWTR	11:30:00 AM	20518						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TWTR	1:30:00 PM	20519						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#TWTR	3:30:00 PM	20520						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UBS	9:30:00 AM	20521						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UBS	11:30:00 AM	20522						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UBS	1:30:00 PM	20523						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UBS	3:30:00 PM	20524						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UL	9:30:00 AM	20525						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UL	11:30:00 AM	20526						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UL	1:30:00 PM	20527						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UL	3:30:00 PM	20528						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UPS	9:30:00 AM	20529						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UPS	11:30:00 AM	20530						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#UPS	1:30:00 PM	20531						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#UTX	3:30:00 PM	20536						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#V	9:30:00 AM	20537						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#V	11:30:00 AM	20538						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#V	1:30:00 PM	20539						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#V	3:30:00 PM	20540						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#VOD	3:30:00 PM	20544						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#VZ	9:30:00 AM	20545						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#VZ	11:30:00 AM	20546						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#VZ	1:30:00 PM	20547						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	#VZ	3:30:00 PM	20548						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WDC	9:30:00 AM	20549						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WDC	11:30:00 AM	20550						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WDC	1:30:00 PM	20551						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WDC	3:30:00 PM	20552						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WFC	9:30:00 AM	20553						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WFC	11:30:00 AM	20554						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WFC	1:30:00 PM	20555						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WFC	3:30:00 PM	20556						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WMT	9:30:00 AM	20557						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WMT	11:30:00 AM	20558						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WMT	1:30:00 PM	20559						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#WMT	3:30:00 PM	20560						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#XOM	9:30:00 AM	20561						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#XOM	11:30:00 AM	20562						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#XOM	1:30:00 PM	20563						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#XOM	3:30:00 PM	20564						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#YHOO	9:30:00 AM	20565						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	#YHOO	11:30:00 AM	20566						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#YHOO	3:30:00 PM	20568						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	#ZNGA	3:30:00 PM	20572						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDCAD	11:30:00 AM	20574						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCAD	1:30:00 PM	20575						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCAD	3:30:00 PM	20576						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCAD.fx	9:30:00 AM	20577						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCAD.fx	11:30:00 AM	20578						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDCAD.fx	3:30:00 PM	20580						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCHF	9:30:00 AM	20581						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	AUDCHF	11:30:00 AM	20582						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCHF	1:30:00 PM	20583						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCHF	3:30:00 PM	20584						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDCHF.fx	11:30:00 AM	20586						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCHF.fx	1:30:00 PM	20587						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCHF.fx	3:30:00 PM	20588						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCZK	9:30:00 AM	20589						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCZK	11:30:00 AM	20590						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCZK	1:30:00 PM	20591						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDCZK	3:30:00 PM	20592						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDHKD	9:30:00 AM	20597						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDHKD	11:30:00 AM	20598						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDHUF	1:30:00 PM	20603						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDHUF	3:30:00 PM	20604						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDJPY	9:30:00 AM	20605						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDJPY	11:30:00 AM	20606						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDJPY	3:30:00 PM	20608						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDJPY.fx	9:30:00 AM	20609						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDJPY.fx	1:30:00 PM	20611						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDMXN	9:30:00 AM	20613						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDMXN	11:30:00 AM	20614						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDMXN	1:30:00 PM	20615						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	AUDMXN	3:30:00 PM	20616						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDNOK	1:30:00 PM	20619						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDNOK	3:30:00 PM	20620						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDNOK.fx	11:30:00 AM	20622						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDNZD	11:30:00 AM	20626						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDNZD	1:30:00 PM	20627						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDNZD	3:30:00 PM	20628						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDNZD.fx	1:30:00 PM	20631						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDNZD.fx	3:30:00 PM	20632						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDPLN	9:30:00 AM	20633						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDPLN	11:30:00 AM	20634						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDPLN	1:30:00 PM	20635						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	AUDSEK	9:30:00 AM	20637						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK	11:30:00 AM	20638						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK	1:30:00 PM	20639						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK	3:30:00 PM	20640						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK.fx	9:30:00 AM	20641						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK.fx	11:30:00 AM	20642						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK.fx	1:30:00 PM	20643						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSEK.fx	3:30:00 PM	20644						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD	9:30:00 AM	20645						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD	11:30:00 AM	20646						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD	1:30:00 PM	20647						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD	3:30:00 PM	20648						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD.fx	9:30:00 AM	20649						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	AUDSGD.fx	11:30:00 AM	20650						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD.fx	1:30:00 PM	20651						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDSGD.fx	3:30:00 PM	20652						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD	9:30:00 AM	20653						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD	11:30:00 AM	20654						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD	1:30:00 PM	20655						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD	3:30:00 PM	20656						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD.fx	9:30:00 AM	20657						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD.fx	11:30:00 AM	20658						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD.fx	1:30:00 PM	20659						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDUSD.fx	3:30:00 PM	20660						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDZAR	9:30:00 AM	20661						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDZAR	11:30:00 AM	20662						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDZAR	1:30:00 PM	20663						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUDZAR	3:30:00 PM	20664						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUS200.i	9:30:00 AM	20665						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUS200.i	11:30:00 AM	20666						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUS200.i	1:30:00 PM	20667						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	AUS200.i	3:30:00 PM	20668						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	BCHUSD	9:30:00 AM	20669						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	BCHUSD	11:30:00 AM	20670						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	BCHUSD	1:30:00 PM	20671						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	BCHUSD	3:30:00 PM	20672						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF	9:30:00 AM	20673						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF	11:30:00 AM	20674						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF	1:30:00 PM	20675						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF	3:30:00 PM	20676						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF.fx	9:30:00 AM	20677						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF.fx	11:30:00 AM	20678						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF.fx	1:30:00 PM	20679						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCHF.fx	3:30:00 PM	20680						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCZK	9:30:00 AM	20681						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCZK	11:30:00 AM	20682						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADCZK	1:30:00 PM	20683						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	CADCZK	3:30:00 PM	20684						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADDKK	9:30:00 AM	20685						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADDKK	11:30:00 AM	20686						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADDKK	1:30:00 PM	20687						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADDKK	3:30:00 PM	20688						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHKD	9:30:00 AM	20689						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHKD	11:30:00 AM	20690						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHKD	1:30:00 PM	20691						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHKD	3:30:00 PM	20692						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHUF	9:30:00 AM	20693						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHUF	11:30:00 AM	20694						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHUF	1:30:00 PM	20695						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADHUF	3:30:00 PM	20696						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY	9:30:00 AM	20697						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY	11:30:00 AM	20698						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY	1:30:00 PM	20699						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY	3:30:00 PM	20700						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY.fx	9:30:00 AM	20701						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY.fx	11:30:00 AM	20702						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY.fx	1:30:00 PM	20703						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADJPY.fx	3:30:00 PM	20704						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADMXN	9:30:00 AM	20705						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADMXN	11:30:00 AM	20706						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADMXN	1:30:00 PM	20707						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADMXN	3:30:00 PM	20708						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADNOK	9:30:00 AM	20709						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADNOK	11:30:00 AM	20710						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADNOK	1:30:00 PM	20711						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADNOK	3:30:00 PM	20712						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADPLN	9:30:00 AM	20713						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADPLN	11:30:00 AM	20714						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADPLN	1:30:00 PM	20715						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADPLN	3:30:00 PM	20716						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSEK	9:30:00 AM	20717						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	CADSEK	11:30:00 AM	20718						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSEK	1:30:00 PM	20719						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSEK	3:30:00 PM	20720						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSGD	9:30:00 AM	20721						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSGD	11:30:00 AM	20722						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSGD	1:30:00 PM	20723						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADSGD	3:30:00 PM	20724						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADZAR	9:30:00 AM	20725						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADZAR	11:30:00 AM	20726						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADZAR	1:30:00 PM	20727						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CADZAR	3:30:00 PM	20728						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFCZK	9:30:00 AM	20729						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFCZK	11:30:00 AM	20730						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFCZK	1:30:00 PM	20731						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFCZK	3:30:00 PM	20732						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK	9:30:00 AM	20733						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK	11:30:00 AM	20734						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK	1:30:00 PM	20735						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK	3:30:00 PM	20736						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK.fx	9:30:00 AM	20737						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK.fx	11:30:00 AM	20738						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK.fx	1:30:00 PM	20739						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFDKK.fx	3:30:00 PM	20740						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHKD	9:30:00 AM	20741						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHKD	11:30:00 AM	20742						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHKD	1:30:00 PM	20743						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHKD	3:30:00 PM	20744						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHUF	9:30:00 AM	20745						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHUF	11:30:00 AM	20746						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHUF	1:30:00 PM	20747						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFHUF	3:30:00 PM	20748						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY	9:30:00 AM	20749						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY	11:30:00 AM	20750						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY	1:30:00 PM	20751						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	CHFJPY	3:30:00 PM	20752						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY.fx	9:30:00 AM	20753						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY.fx	11:30:00 AM	20754						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY.fx	1:30:00 PM	20755						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFJPY.fx	3:30:00 PM	20756						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFMXN	9:30:00 AM	20757						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFMXN	11:30:00 AM	20758						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFMXN	1:30:00 PM	20759						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFMXN	3:30:00 PM	20760						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK	9:30:00 AM	20761						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK	11:30:00 AM	20762						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK	1:30:00 PM	20763						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK	3:30:00 PM	20764						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK.fx	9:30:00 AM	20765						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK.fx	11:30:00 AM	20766						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK.fx	1:30:00 PM	20767						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFNOK.fx	3:30:00 PM	20768						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN	9:30:00 AM	20769						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN	11:30:00 AM	20770						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN	1:30:00 PM	20771						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN	3:30:00 PM	20772						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN.fx	9:30:00 AM	20773						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN.fx	11:30:00 AM	20774						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN.fx	1:30:00 PM	20775						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFPLN.fx	3:30:00 PM	20776						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSEK	9:30:00 AM	20777						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSEK	11:30:00 AM	20778						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSEK	1:30:00 PM	20779						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSEK	3:30:00 PM	20780						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD	9:30:00 AM	20781						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD	11:30:00 AM	20782						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD	1:30:00 PM	20783						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD	3:30:00 PM	20784						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD.fx	9:30:00 AM	20785						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	CHFSGD.fx	11:30:00 AM	20786						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD.fx	1:30:00 PM	20787						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFSGD.fx	3:30:00 PM	20788						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFZAR	9:30:00 AM	20789						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFZAR	11:30:00 AM	20790						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFZAR	1:30:00 PM	20791						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CHFZAR	3:30:00 PM	20792						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CZKJPY	9:30:00 AM	20793						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CZKJPY	11:30:00 AM	20794						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CZKJPY	1:30:00 PM	20795						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	CZKJPY	3:30:00 PM	20796						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DAX30.i	9:30:00 AM	20797						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DAX30.i	11:30:00 AM	20798						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DAX30.i	1:30:00 PM	20799						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DAX30.i	3:30:00 PM	20800						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DJ30.i	9:30:00 AM	20801						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DJ30.i	11:30:00 AM	20802						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DJ30.i	1:30:00 PM	20803						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DJ30.i	3:30:00 PM	20804						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DKKJPY	9:30:00 AM	20805						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DKKJPY	11:30:00 AM	20806						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DKKJPY	1:30:00 PM	20807						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	DKKJPY	3:30:00 PM	20808						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD	9:30:00 AM	20809						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD	11:30:00 AM	20810						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD	1:30:00 PM	20811						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD	3:30:00 PM	20812						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD.fx	9:30:00 AM	20813						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD.fx	11:30:00 AM	20814						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD.fx	1:30:00 PM	20815						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURAUD.fx	3:30:00 PM	20816						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD	9:30:00 AM	20817						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD	11:30:00 AM	20818						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD	1:30:00 PM	20819						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	EURCAD	3:30:00 PM	20820						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD.fx	9:30:00 AM	20821						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD.fx	11:30:00 AM	20822						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD.fx	1:30:00 PM	20823						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCAD.fx	3:30:00 PM	20824						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF	9:30:00 AM	20825						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF	11:30:00 AM	20826						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF	1:30:00 PM	20827						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF	3:30:00 PM	20828						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF.fx	9:30:00 AM	20829						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF.fx	11:30:00 AM	20830						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF.fx	1:30:00 PM	20831						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCHF.fx	3:30:00 PM	20832						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCZK	9:30:00 AM	20833						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCZK	11:30:00 AM	20834						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCZK	1:30:00 PM	20835						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURCZK	3:30:00 PM	20836						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURDKK	9:30:00 AM	20837						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURDKK	11:30:00 AM	20838						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURDKK	1:30:00 PM	20839						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURDKK	3:30:00 PM	20840						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP	9:30:00 AM	20841						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP	11:30:00 AM	20842						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP	1:30:00 PM	20843						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP	3:30:00 PM	20844						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP.fx	9:30:00 AM	20845						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP.fx	11:30:00 AM	20846						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP.fx	1:30:00 PM	20847						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURGBP.fx	3:30:00 PM	20848						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD	9:30:00 AM	20849						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD	11:30:00 AM	20850						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD	1:30:00 PM	20851						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD	3:30:00 PM	20852						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD.fx	9:30:00 AM	20853						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	EURHKD.fx	11:30:00 AM	20854						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD.fx	1:30:00 PM	20855						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHKD.fx	3:30:00 PM	20856						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF	9:30:00 AM	20857						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF	11:30:00 AM	20858						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF	1:30:00 PM	20859						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF	3:30:00 PM	20860						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF.fx	9:30:00 AM	20861						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF.fx	11:30:00 AM	20862						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF.fx	1:30:00 PM	20863						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURHUF.fx	3:30:00 PM	20864						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY	9:30:00 AM	20865						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY	11:30:00 AM	20866						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY	1:30:00 PM	20867						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY	3:30:00 PM	20868						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY.fx	9:30:00 AM	20869						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY.fx	11:30:00 AM	20870						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY.fx	1:30:00 PM	20871						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURJPY.fx	3:30:00 PM	20872						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN	9:30:00 AM	20873						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN	11:30:00 AM	20874						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN	1:30:00 PM	20875						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN	3:30:00 PM	20876						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN.fx	9:30:00 AM	20877						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN.fx	11:30:00 AM	20878						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN.fx	1:30:00 PM	20879						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURMXN.fx	3:30:00 PM	20880						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK	9:30:00 AM	20881						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK	11:30:00 AM	20882						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK	1:30:00 PM	20883						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK	3:30:00 PM	20884						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK.fx	9:30:00 AM	20885						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK.fx	11:30:00 AM	20886						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNOK.fx	1:30:00 PM	20887						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	EURNOK.fx	3:30:00 PM	20888						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD	9:30:00 AM	20889						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD	11:30:00 AM	20890						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD	1:30:00 PM	20891						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD	3:30:00 PM	20892						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD.fx	9:30:00 AM	20893						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD.fx	11:30:00 AM	20894						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD.fx	1:30:00 PM	20895						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURNZD.fx	3:30:00 PM	20896						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN	9:30:00 AM	20897						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN	11:30:00 AM	20898						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN	1:30:00 PM	20899						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN	3:30:00 PM	20900						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN.fx	9:30:00 AM	20901						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN.fx	11:30:00 AM	20902						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN.fx	1:30:00 PM	20903						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURPLN.fx	3:30:00 PM	20904						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURRUB	9:30:00 AM	20905						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURRUB	11:30:00 AM	20906						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURRUB	1:30:00 PM	20907						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURRUB	3:30:00 PM	20908						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK	9:30:00 AM	20909						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK	11:30:00 AM	20910						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK	1:30:00 PM	20911						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK	3:30:00 PM	20912						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK.fx	9:30:00 AM	20913						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK.fx	11:30:00 AM	20914						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK.fx	1:30:00 PM	20915						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSEK.fx	3:30:00 PM	20916						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD	9:30:00 AM	20917						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD	11:30:00 AM	20918						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD	1:30:00 PM	20919						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD	3:30:00 PM	20920						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD.fx	9:30:00 AM	20921						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	EURSGD.fx	11:30:00 AM	20922						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD.fx	1:30:00 PM	20923						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURSGD.fx	3:30:00 PM	20924						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD	9:30:00 AM	20925						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD	11:30:00 AM	20926						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD	1:30:00 PM	20927						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD	3:30:00 PM	20928						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD.fx	9:30:00 AM	20929						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD.fx	11:30:00 AM	20930						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD.fx	1:30:00 PM	20931						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURUSD.fx	3:30:00 PM	20932						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR	9:30:00 AM	20933						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR	11:30:00 AM	20934						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR	1:30:00 PM	20935						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR	3:30:00 PM	20936						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR.fx	9:30:00 AM	20937						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR.fx	11:30:00 AM	20938						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR.fx	1:30:00 PM	20939						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	EURZAR.fx	3:30:00 PM	20940						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD	9:30:00 AM	20941						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD	11:30:00 AM	20942						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD	1:30:00 PM	20943						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD	3:30:00 PM	20944						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD.fx	9:30:00 AM	20945						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD.fx	11:30:00 AM	20946						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD.fx	1:30:00 PM	20947						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPAUD.fx	3:30:00 PM	20948						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD	9:30:00 AM	20949						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD	11:30:00 AM	20950						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD	1:30:00 PM	20951						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD	3:30:00 PM	20952						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD.fx	9:30:00 AM	20953						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD.fx	11:30:00 AM	20954						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCAD.fx	1:30:00 PM	20955						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	GBPCAD.fx	3:30:00 PM	20956						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF	9:30:00 AM	20957						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF	11:30:00 AM	20958						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF	1:30:00 PM	20959						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF	3:30:00 PM	20960						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF.fx	9:30:00 AM	20961						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF.fx	11:30:00 AM	20962						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF.fx	1:30:00 PM	20963						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCHF.fx	3:30:00 PM	20964						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCZK	9:30:00 AM	20965						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCZK	11:30:00 AM	20966						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCZK	1:30:00 PM	20967						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPCZK	3:30:00 PM	20968						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK	9:30:00 AM	20969						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK	11:30:00 AM	20970						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK	1:30:00 PM	20971						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK	3:30:00 PM	20972						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK.fx	9:30:00 AM	20973						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK.fx	11:30:00 AM	20974						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK.fx	1:30:00 PM	20975						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPDKK.fx	3:30:00 PM	20976						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHKD	9:30:00 AM	20977						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHKD	11:30:00 AM	20978						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHKD	1:30:00 PM	20979						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHKD	3:30:00 PM	20980						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHUF	9:30:00 AM	20981						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHUF	11:30:00 AM	20982						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHUF	1:30:00 PM	20983						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPHUF	3:30:00 PM	20984						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY	9:30:00 AM	20985						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY	11:30:00 AM	20986						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY	1:30:00 PM	20987						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY	3:30:00 PM	20988						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY.fx	9:30:00 AM	20989						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	GBPJPY.fx	11:30:00 AM	20990						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY.fx	1:30:00 PM	20991						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPJPY.fx	3:30:00 PM	20992						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPMXN	9:30:00 AM	20993						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPMXN	11:30:00 AM	20994						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPMXN	1:30:00 PM	20995						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPMXN	3:30:00 PM	20996						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK	9:30:00 AM	20997						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK	11:30:00 AM	20998						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK	1:30:00 PM	20999						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK	3:30:00 PM	21000						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK.fx	9:30:00 AM	21001						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK.fx	11:30:00 AM	21002						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK.fx	1:30:00 PM	21003						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNOK.fx	3:30:00 PM	21004						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD	9:30:00 AM	21005						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD	11:30:00 AM	21006						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD	1:30:00 PM	21007						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD	3:30:00 PM	21008						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD.fx	9:30:00 AM	21009						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD.fx	11:30:00 AM	21010						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD.fx	1:30:00 PM	21011						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPNZD.fx	3:30:00 PM	21012						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN	9:30:00 AM	21013						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN	11:30:00 AM	21014						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN	1:30:00 PM	21015						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN	3:30:00 PM	21016						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN.fx	9:30:00 AM	21017						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN.fx	11:30:00 AM	21018						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN.fx	1:30:00 PM	21019						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPPLN.fx	3:30:00 PM	21020						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK	9:30:00 AM	21021						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK	11:30:00 AM	21022						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK	1:30:00 PM	21023						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	GBPSEK	3:30:00 PM	21024						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK.fx	9:30:00 AM	21025						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK.fx	11:30:00 AM	21026						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK.fx	1:30:00 PM	21027						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSEK.fx	3:30:00 PM	21028						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD	9:30:00 AM	21029						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD	11:30:00 AM	21030						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD	1:30:00 PM	21031						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD	3:30:00 PM	21032						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD.fx	9:30:00 AM	21033						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD.fx	11:30:00 AM	21034						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD.fx	1:30:00 PM	21035						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPSGD.fx	3:30:00 PM	21036						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD	9:30:00 AM	21037						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD	11:30:00 AM	21038						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD	1:30:00 PM	21039						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD	3:30:00 PM	21040						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD.fx	9:30:00 AM	21041						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD.fx	11:30:00 AM	21042						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD.fx	1:30:00 PM	21043						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPUSD.fx	3:30:00 PM	21044						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR	9:30:00 AM	21045						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR	11:30:00 AM	21046						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR	1:30:00 PM	21047						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR	3:30:00 PM	21048						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR.fx	9:30:00 AM	21049						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR.fx	11:30:00 AM	21050						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR.fx	1:30:00 PM	21051						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GBPZAR.fx	3:30:00 PM	21052						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GOLD	9:30:00 AM	21053						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GOLD	11:30:00 AM	21054						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GOLD	1:30:00 PM	21055						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	GOLD	3:30:00 PM	21056						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY	9:30:00 AM	21057						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	HKDJPY	11:30:00 AM	21058						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY	1:30:00 PM	21059						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY	3:30:00 PM	21060						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY.fx	9:30:00 AM	21061						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY.fx	11:30:00 AM	21062						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY.fx	1:30:00 PM	21063						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HKDJPY.fx	3:30:00 PM	21064						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HUFJPY	9:30:00 AM	21065						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HUFJPY	11:30:00 AM	21066						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HUFJPY	1:30:00 PM	21067						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	HUFJPY	3:30:00 PM	21068						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JP225.i	9:30:00 AM	21069						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JP225.i	11:30:00 AM	21070						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JP225.i	1:30:00 PM	21071						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JP225.i	3:30:00 PM	21072						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	MXNJPY	9:30:00 AM	21073						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	MXNJPY	11:30:00 AM	21074						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	MXNJPY	1:30:00 PM	21075						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	MXNJPY	3:30:00 PM	21076						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NASDAQ.i	9:30:00 AM	21077						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NASDAQ.i	11:30:00 AM	21078						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NASDAQ.i	1:30:00 PM	21079						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NASDAQ.i	3:30:00 PM	21080						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY	9:30:00 AM	21081						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY	11:30:00 AM	21082						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY	1:30:00 PM	21083						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY	3:30:00 PM	21084						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY.fx	9:30:00 AM	21085						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY.fx	11:30:00 AM	21086						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY.fx	1:30:00 PM	21087						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NOKJPY.fx	3:30:00 PM	21088						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD	9:30:00 AM	21089						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD	11:30:00 AM	21090						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD	1:30:00 PM	21091						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	NZDCAD	3:30:00 PM	21092						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD.fx	9:30:00 AM	21093						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD.fx	11:30:00 AM	21094						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD.fx	1:30:00 PM	21095						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCAD.fx	3:30:00 PM	21096						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF	9:30:00 AM	21097						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF	11:30:00 AM	21098						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF	1:30:00 PM	21099						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF	3:30:00 PM	21100						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF.fx	9:30:00 AM	21101						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF.fx	11:30:00 AM	21102						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF.fx	1:30:00 PM	21103						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCHF.fx	3:30:00 PM	21104						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCZK	9:30:00 AM	21105						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCZK	11:30:00 AM	21106						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCZK	1:30:00 PM	21107						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDCZK	3:30:00 PM	21108						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDDKK	9:30:00 AM	21109						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDDKK	11:30:00 AM	21110						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDDKK	1:30:00 PM	21111						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDDKK	3:30:00 PM	21112						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHKD	9:30:00 AM	21113						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHKD	11:30:00 AM	21114						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHKD	1:30:00 PM	21115						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHKD	3:30:00 PM	21116						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHUF	9:30:00 AM	21117						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHUF	11:30:00 AM	21118						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHUF	1:30:00 PM	21119						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDHUF	3:30:00 PM	21120						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY	9:30:00 AM	21121						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY	11:30:00 AM	21122						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY	1:30:00 PM	21123						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY	3:30:00 PM	21124						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY.fx	9:30:00 AM	21125						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	NZDJPY.fx	11:30:00 AM	21126						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY.fx	1:30:00 PM	21127						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDJPY.fx	3:30:00 PM	21128						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDMXN	9:30:00 AM	21129						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDMXN	11:30:00 AM	21130						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDMXN	1:30:00 PM	21131						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDMXN	3:30:00 PM	21132						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDNOK	9:30:00 AM	21133						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDNOK	11:30:00 AM	21134						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDNOK	1:30:00 PM	21135						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDNOK	3:30:00 PM	21136						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDPLN	9:30:00 AM	21137						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDPLN	11:30:00 AM	21138						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDPLN	1:30:00 PM	21139						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDPLN	3:30:00 PM	21140						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSEK	9:30:00 AM	21141						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSEK	11:30:00 AM	21142						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSEK	1:30:00 PM	21143						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSEK	3:30:00 PM	21144						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD	9:30:00 AM	21145						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD	11:30:00 AM	21146						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD	1:30:00 PM	21147						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD	3:30:00 PM	21148						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD.fx	9:30:00 AM	21149						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD.fx	11:30:00 AM	21150						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD.fx	1:30:00 PM	21151						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDSGD.fx	3:30:00 PM	21152						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD	9:30:00 AM	21153						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD	11:30:00 AM	21154						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD	1:30:00 PM	21155						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD	3:30:00 PM	21156						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD.fx	9:30:00 AM	21157						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD.fx	11:30:00 AM	21158						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDUSD.fx	1:30:00 PM	21159						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	NZDUSD.fx	3:30:00 PM	21160						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDZAR	9:30:00 AM	21161						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDZAR	11:30:00 AM	21162						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDZAR	1:30:00 PM	21163						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	NZDZAR	3:30:00 PM	21164						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY	9:30:00 AM	21165						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY	11:30:00 AM	21166						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY	1:30:00 PM	21167						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY	3:30:00 PM	21168						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY.fx	9:30:00 AM	21169						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY.fx	11:30:00 AM	21170						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY.fx	1:30:00 PM	21171						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SEKJPY.fx	3:30:00 PM	21172						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SGDJPY	9:30:00 AM	21173						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SGDJPY	11:30:00 AM	21174						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SGDJPY	1:30:00 PM	21175						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SGDJPY	3:30:00 PM	21176						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SILVER	9:30:00 AM	21177						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SILVER	11:30:00 AM	21178						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SILVER	1:30:00 PM	21179						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SILVER	3:30:00 PM	21180						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SPX500.i	9:30:00 AM	21181						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SPX500.i	11:30:00 AM	21182						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SPX500.i	1:30:00 PM	21183						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	SPX500.i	3:30:00 PM	21184						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	UK100.i	9:30:00 AM	21185						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	UK100.i	11:30:00 AM	21186						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	UK100.i	1:30:00 PM	21187						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	UK100.i	3:30:00 PM	21188						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD	9:30:00 AM	21189						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD	11:30:00 AM	21190						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD	1:30:00 PM	21191						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD	3:30:00 PM	21192						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD.fx	9:30:00 AM	21193						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	USDCAD.fx	11:30:00 AM	21194						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD.fx	1:30:00 PM	21195						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCAD.fx	3:30:00 PM	21196						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF	9:30:00 AM	21197						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF	11:30:00 AM	21198						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF	1:30:00 PM	21199						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF	3:30:00 PM	21200						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF.fx	9:30:00 AM	21201						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF.fx	11:30:00 AM	21202						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF.fx	1:30:00 PM	21203						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCHF.fx	3:30:00 PM	21204						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK	9:30:00 AM	21205						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK	11:30:00 AM	21206						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK	1:30:00 PM	21207						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK	3:30:00 PM	21208						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK.fx	9:30:00 AM	21209						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK.fx	11:30:00 AM	21210						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK.fx	1:30:00 PM	21211						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDCZK.fx	3:30:00 PM	21212						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK	9:30:00 AM	21213						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK	11:30:00 AM	21214						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK	1:30:00 PM	21215						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK	3:30:00 PM	21216						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK.fx	9:30:00 AM	21217						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK.fx	11:30:00 AM	21218						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK.fx	1:30:00 PM	21219						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDDKK.fx	3:30:00 PM	21220						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD	9:30:00 AM	21221						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD	11:30:00 AM	21222						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD	1:30:00 PM	21223						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD	3:30:00 PM	21224						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD.fx	9:30:00 AM	21225						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD.fx	11:30:00 AM	21226						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHKD.fx	1:30:00 PM	21227						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	USDHKD.fx	3:30:00 PM	21228						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF	9:30:00 AM	21229						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF	11:30:00 AM	21230						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF	1:30:00 PM	21231						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF	3:30:00 PM	21232						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF.fx	9:30:00 AM	21233						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF.fx	11:30:00 AM	21234						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF.fx	1:30:00 PM	21235						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDHUF.fx	3:30:00 PM	21236						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDINR	9:30:00 AM	21237						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDINR	11:30:00 AM	21238						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDINR	1:30:00 PM	21239						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDINR	3:30:00 PM	21240						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY	9:30:00 AM	21241						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY	11:30:00 AM	21242						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDJPY	3:30:00 PM	21244						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY.fx	9:30:00 AM	21245						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY.fx	11:30:00 AM	21246						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY.fx	1:30:00 PM	21247						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDJPY.fx	3:30:00 PM	21248						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDMXN	9:30:00 AM	21249						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDMXN	11:30:00 AM	21250						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDMXN	1:30:00 PM	21251						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDMXN	3:30:00 PM	21252						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JSDMXN.fx	9:30:00 AM	21253						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JSDMXN.fx	11:30:00 AM	21254						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JSDMXN.fx	1:30:00 PM	21255						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	JSDMXN.fx	3:30:00 PM	21256						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDNOK	11:30:00 AM	21258						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDNOK	1:30:00 PM	21259						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDNOK	3:30:00 PM	21260						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDNOK.fx	9:30:00 AM	21261						Continuous Quote	N/A	ELECTRONIC	N/A

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10/18/2019	USDNOK.fx	3:30:00 PM	21264						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDPLN.fx	11:30:00 AM	21270						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDPLN.fx	3:30:00 PM	21272						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDRUB	1:30:00 PM	21275						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDRUB	3:30:00 PM	21276						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDSEK	3:30:00 PM	21280						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDSGD	11:30:00 AM	21286						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD	1:30:00 PM	21287						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD	3:30:00 PM	21288						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD.fx	9:30:00 AM	21289						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD.fx	11:30:00 AM	21290						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD.fx	1:30:00 PM	21291						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDSGD.fx	3:30:00 PM	21292						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDZAR	9:30:00 AM	21293						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	USDZAR	1:30:00 PM	21295						Continuous Quote	N/A	ELECTRONIC	N/A

10/18/2019	USDZAR	3:30:00 PM	21296						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDZAR.fx	9:30:00 AM	21297						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDZAR.fx	11:30:00 AM	21298						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDZAR.fx	1:30:00 PM	21299						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	USDZAR.fx	3:30:00 PM	21300						Continuous Quote	N/A	ELECTRONIC	N/A
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10/18/2019	ZARJPY	11:30:00 AM	21306						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	ZARJPY	1:30:00 PM	21307						Continuous Quote	N/A	ELECTRONIC	N/A
10/18/2019	ZARJPY	3:30:00 PM	21308						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	#AAPL	3:30:00 PM	21328						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	#AIG	3:30:00 PM	21336						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	#BABA	11:30:00 AM	21354						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	#BABA	1:30:00 PM	21355						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	#C	11:30:00 AM	21394						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	AUDUSD	11:30:00 AM	21838						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDUSD	1:30:00 PM	21839						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	AUDUSD	3:30:00 PM	21840						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDUSD.fx	9:30:00 AM	21841						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDUSD.fx	11:30:00 AM	21842						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDUSD.fx	1:30:00 PM	21843						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDUSD.fx	3:30:00 PM	21844						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDZAR	9:30:00 AM	21845						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDZAR	11:30:00 AM	21846						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDZAR	1:30:00 PM	21847						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUDZAR	3:30:00 PM	21848						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUS200.i	9:30:00 AM	21849						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUS200.i	11:30:00 AM	21850						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUS200.i	1:30:00 PM	21851						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	AUS200.i	3:30:00 PM	21852						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	BCHUSD	9:30:00 AM	21853						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	BCHUSD	11:30:00 AM	21854						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	BCHUSD	1:30:00 PM	21855						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	BCHUSD	3:30:00 PM	21856						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF	9:30:00 AM	21857						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF	11:30:00 AM	21858						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF	1:30:00 PM	21859						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF	3:30:00 PM	21860						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF.fx	9:30:00 AM	21861						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF.fx	11:30:00 AM	21862						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF.fx	1:30:00 PM	21863						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCHF.fx	3:30:00 PM	21864						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCZK	9:30:00 AM	21865						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCZK	11:30:00 AM	21866						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCZK	1:30:00 PM	21867						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADCZK	3:30:00 PM	21868						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADDKK	9:30:00 AM	21869						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADDKK	11:30:00 AM	21870						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADDKK	1:30:00 PM	21871						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADDKK	3:30:00 PM	21872						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHKD	9:30:00 AM	21873						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	CADHKD	11:30:00 AM	21874						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHKD	1:30:00 PM	21875						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHKD	3:30:00 PM	21876						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHUF	9:30:00 AM	21877						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHUF	11:30:00 AM	21878						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHUF	1:30:00 PM	21879						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADHUF	3:30:00 PM	21880						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY	9:30:00 AM	21881						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY	11:30:00 AM	21882						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY	1:30:00 PM	21883						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY	3:30:00 PM	21884						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY.fx	9:30:00 AM	21885						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY.fx	11:30:00 AM	21886						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY.fx	1:30:00 PM	21887						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADJPY.fx	3:30:00 PM	21888						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADMXN	9:30:00 AM	21889						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADMXN	11:30:00 AM	21890						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADMXN	1:30:00 PM	21891						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADMXN	3:30:00 PM	21892						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADNOK	9:30:00 AM	21893						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADNOK	11:30:00 AM	21894						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADNOK	1:30:00 PM	21895						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADNOK	3:30:00 PM	21896						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADPLN	9:30:00 AM	21897						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADPLN	11:30:00 AM	21898						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADPLN	1:30:00 PM	21899						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADPLN	3:30:00 PM	21900						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSEK	9:30:00 AM	21901						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSEK	11:30:00 AM	21902						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSEK	1:30:00 PM	21903						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSEK	3:30:00 PM	21904						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSGD	9:30:00 AM	21905						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSGD	11:30:00 AM	21906						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADSGD	1:30:00 PM	21907						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	CADSGD	3:30:00 PM	21908						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADZAR	9:30:00 AM	21909						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADZAR	11:30:00 AM	21910						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADZAR	1:30:00 PM	21911						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CADZAR	3:30:00 PM	21912						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFCZK	9:30:00 AM	21913						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFCZK	11:30:00 AM	21914						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFCZK	1:30:00 PM	21915						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFCZK	3:30:00 PM	21916						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK	9:30:00 AM	21917						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK	11:30:00 AM	21918						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK	1:30:00 PM	21919						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK	3:30:00 PM	21920						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK.fx	9:30:00 AM	21921						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK.fx	11:30:00 AM	21922						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK.fx	1:30:00 PM	21923						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFDKK.fx	3:30:00 PM	21924						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHKD	9:30:00 AM	21925						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHKD	11:30:00 AM	21926						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHKD	1:30:00 PM	21927						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHKD	3:30:00 PM	21928						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHUF	9:30:00 AM	21929						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHUF	11:30:00 AM	21930						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHUF	1:30:00 PM	21931						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFHUF	3:30:00 PM	21932						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY	9:30:00 AM	21933						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY	11:30:00 AM	21934						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY	1:30:00 PM	21935						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY	3:30:00 PM	21936						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY.fx	9:30:00 AM	21937						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY.fx	11:30:00 AM	21938						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY.fx	1:30:00 PM	21939						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFJPY.fx	3:30:00 PM	21940						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFMXN	9:30:00 AM	21941						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	CHFMXN	11:30:00 AM	21942						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFMXN	1:30:00 PM	21943						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFMXN	3:30:00 PM	21944						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK	9:30:00 AM	21945						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK	11:30:00 AM	21946						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK	1:30:00 PM	21947						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK	3:30:00 PM	21948						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK.fx	9:30:00 AM	21949						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK.fx	11:30:00 AM	21950						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK.fx	1:30:00 PM	21951						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFNOK.fx	3:30:00 PM	21952						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN	9:30:00 AM	21953						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN	11:30:00 AM	21954						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN	1:30:00 PM	21955						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN	3:30:00 PM	21956						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN.fx	9:30:00 AM	21957						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN.fx	11:30:00 AM	21958						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN.fx	1:30:00 PM	21959						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFPLN.fx	3:30:00 PM	21960						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSEK	9:30:00 AM	21961						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSEK	11:30:00 AM	21962						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSEK	1:30:00 PM	21963						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSEK	3:30:00 PM	21964						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD	9:30:00 AM	21965						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD	11:30:00 AM	21966						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD	1:30:00 PM	21967						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD	3:30:00 PM	21968						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD.fx	9:30:00 AM	21969						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD.fx	11:30:00 AM	21970						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD.fx	1:30:00 PM	21971						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFSGD.fx	3:30:00 PM	21972						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFZAR	9:30:00 AM	21973						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFZAR	11:30:00 AM	21974						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CHFZAR	1:30:00 PM	21975						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	CHFZAR	3:30:00 PM	21976						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CZKJPY	9:30:00 AM	21977						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CZKJPY	11:30:00 AM	21978						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CZKJPY	1:30:00 PM	21979						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	CZKJPY	3:30:00 PM	21980						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DAX30.i	9:30:00 AM	21981						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DAX30.i	11:30:00 AM	21982						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DAX30.i	1:30:00 PM	21983						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DAX30.i	3:30:00 PM	21984						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DJ30.i	9:30:00 AM	21985						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DJ30.i	11:30:00 AM	21986						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DJ30.i	1:30:00 PM	21987						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DJ30.i	3:30:00 PM	21988						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DKKJPY	9:30:00 AM	21989						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DKKJPY	11:30:00 AM	21990						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DKKJPY	1:30:00 PM	21991						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	DKKJPY	3:30:00 PM	21992						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD	9:30:00 AM	21993						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD	11:30:00 AM	21994						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD	1:30:00 PM	21995						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD	3:30:00 PM	21996						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD.fx	9:30:00 AM	21997						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD.fx	11:30:00 AM	21998						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD.fx	1:30:00 PM	21999						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURAUD.fx	3:30:00 PM	22000						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD	9:30:00 AM	22001						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD	11:30:00 AM	22002						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD	1:30:00 PM	22003						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD	3:30:00 PM	22004						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD.fx	9:30:00 AM	22005						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD.fx	11:30:00 AM	22006						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD.fx	1:30:00 PM	22007						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCAD.fx	3:30:00 PM	22008						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF	9:30:00 AM	22009						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	EURCHF	11:30:00 AM	22010						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF	1:30:00 PM	22011						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF	3:30:00 PM	22012						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF.fx	9:30:00 AM	22013						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF.fx	11:30:00 AM	22014						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF.fx	1:30:00 PM	22015						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCHF.fx	3:30:00 PM	22016						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCZK	9:30:00 AM	22017						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCZK	11:30:00 AM	22018						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCZK	1:30:00 PM	22019						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURCZK	3:30:00 PM	22020						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURDKK	9:30:00 AM	22021						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURDKK	11:30:00 AM	22022						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURDKK	1:30:00 PM	22023						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURDKK	3:30:00 PM	22024						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP	9:30:00 AM	22025						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP	11:30:00 AM	22026						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP	1:30:00 PM	22027						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP	3:30:00 PM	22028						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP.fx	9:30:00 AM	22029						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP.fx	11:30:00 AM	22030						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP.fx	1:30:00 PM	22031						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURGBP.fx	3:30:00 PM	22032						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD	9:30:00 AM	22033						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD	11:30:00 AM	22034						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD	1:30:00 PM	22035						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD	3:30:00 PM	22036						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD.fx	9:30:00 AM	22037						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD.fx	11:30:00 AM	22038						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD.fx	1:30:00 PM	22039						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHKD.fx	3:30:00 PM	22040						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF	9:30:00 AM	22041						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF	11:30:00 AM	22042						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF	1:30:00 PM	22043						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	EURHUF	3:30:00 PM	22044						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF.fx	9:30:00 AM	22045						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF.fx	11:30:00 AM	22046						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF.fx	1:30:00 PM	22047						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURHUF.fx	3:30:00 PM	22048						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY	9:30:00 AM	22049						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY	11:30:00 AM	22050						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY	1:30:00 PM	22051						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY	3:30:00 PM	22052						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY.fx	9:30:00 AM	22053						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY.fx	11:30:00 AM	22054						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY.fx	1:30:00 PM	22055						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURJPY.fx	3:30:00 PM	22056						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN	9:30:00 AM	22057						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN	11:30:00 AM	22058						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN	1:30:00 PM	22059						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN	3:30:00 PM	22060						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN.fx	9:30:00 AM	22061						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN.fx	11:30:00 AM	22062						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN.fx	1:30:00 PM	22063						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURMXN.fx	3:30:00 PM	22064						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK	9:30:00 AM	22065						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK	11:30:00 AM	22066						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK	1:30:00 PM	22067						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK	3:30:00 PM	22068						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK.fx	9:30:00 AM	22069						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK.fx	11:30:00 AM	22070						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK.fx	1:30:00 PM	22071						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNOK.fx	3:30:00 PM	22072						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD	9:30:00 AM	22073						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD	11:30:00 AM	22074						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD	1:30:00 PM	22075						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD	3:30:00 PM	22076						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD.fx	9:30:00 AM	22077						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	EURNZD.fx	11:30:00 AM	22078						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD.fx	1:30:00 PM	22079						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURNZD.fx	3:30:00 PM	22080						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN	9:30:00 AM	22081						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN	11:30:00 AM	22082						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN	1:30:00 PM	22083						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN	3:30:00 PM	22084						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN.fx	9:30:00 AM	22085						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN.fx	11:30:00 AM	22086						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN.fx	1:30:00 PM	22087						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURPLN.fx	3:30:00 PM	22088						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURRUB	9:30:00 AM	22089						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURRUB	11:30:00 AM	22090						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURRUB	1:30:00 PM	22091						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURRUB	3:30:00 PM	22092						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK	9:30:00 AM	22093						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK	11:30:00 AM	22094						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK	1:30:00 PM	22095						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK	3:30:00 PM	22096						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK.fx	9:30:00 AM	22097						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK.fx	11:30:00 AM	22098						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK.fx	1:30:00 PM	22099						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSEK.fx	3:30:00 PM	22100						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD	9:30:00 AM	22101						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD	11:30:00 AM	22102						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD	1:30:00 PM	22103						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD	3:30:00 PM	22104						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD.fx	9:30:00 AM	22105						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD.fx	11:30:00 AM	22106						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD.fx	1:30:00 PM	22107						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURSGD.fx	3:30:00 PM	22108						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD	9:30:00 AM	22109						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD	11:30:00 AM	22110						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD	1:30:00 PM	22111						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	EURUSD	3:30:00 PM	22112						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD.fx	9:30:00 AM	22113						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD.fx	11:30:00 AM	22114						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD.fx	1:30:00 PM	22115						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURUSD.fx	3:30:00 PM	22116						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR	9:30:00 AM	22117						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR	11:30:00 AM	22118						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR	1:30:00 PM	22119						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR	3:30:00 PM	22120						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR.fx	9:30:00 AM	22121						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR.fx	11:30:00 AM	22122						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR.fx	1:30:00 PM	22123						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	EURZAR.fx	3:30:00 PM	22124						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD	9:30:00 AM	22125						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD	11:30:00 AM	22126						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD	1:30:00 PM	22127						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD	3:30:00 PM	22128						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD.fx	9:30:00 AM	22129						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD.fx	11:30:00 AM	22130						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD.fx	1:30:00 PM	22131						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPAUD.fx	3:30:00 PM	22132						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD	9:30:00 AM	22133						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD	11:30:00 AM	22134						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD	1:30:00 PM	22135						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD	3:30:00 PM	22136						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD.fx	9:30:00 AM	22137						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD.fx	11:30:00 AM	22138						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD.fx	1:30:00 PM	22139						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCAD.fx	3:30:00 PM	22140						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF	9:30:00 AM	22141						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF	11:30:00 AM	22142						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF	1:30:00 PM	22143						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF	3:30:00 PM	22144						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF.fx	9:30:00 AM	22145						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	GBPCHF.fx	11:30:00 AM	22146						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF.fx	1:30:00 PM	22147						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCHF.fx	3:30:00 PM	22148						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCZK	9:30:00 AM	22149						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCZK	11:30:00 AM	22150						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCZK	1:30:00 PM	22151						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPCZK	3:30:00 PM	22152						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK	9:30:00 AM	22153						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK	11:30:00 AM	22154						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK	1:30:00 PM	22155						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK	3:30:00 PM	22156						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK.fx	9:30:00 AM	22157						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK.fx	11:30:00 AM	22158						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK.fx	1:30:00 PM	22159						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPDKK.fx	3:30:00 PM	22160						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHKD	9:30:00 AM	22161						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHKD	11:30:00 AM	22162						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHKD	1:30:00 PM	22163						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHKD	3:30:00 PM	22164						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHUF	9:30:00 AM	22165						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHUF	11:30:00 AM	22166						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHUF	1:30:00 PM	22167						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPHUF	3:30:00 PM	22168						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY	9:30:00 AM	22169						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY	11:30:00 AM	22170						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY	1:30:00 PM	22171						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY	3:30:00 PM	22172						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY.fx	9:30:00 AM	22173						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY.fx	11:30:00 AM	22174						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY.fx	1:30:00 PM	22175						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPJPY.fx	3:30:00 PM	22176						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPMXN	9:30:00 AM	22177						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPMXN	11:30:00 AM	22178						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPMXN	1:30:00 PM	22179						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	GBPMXN	3:30:00 PM	22180						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK	9:30:00 AM	22181						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK	11:30:00 AM	22182						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK	1:30:00 PM	22183						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK	3:30:00 PM	22184						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK.fx	9:30:00 AM	22185						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK.fx	11:30:00 AM	22186						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK.fx	1:30:00 PM	22187						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNOK.fx	3:30:00 PM	22188						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD	9:30:00 AM	22189						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD	11:30:00 AM	22190						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD	1:30:00 PM	22191						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD	3:30:00 PM	22192						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD.fx	9:30:00 AM	22193						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD.fx	11:30:00 AM	22194						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD.fx	1:30:00 PM	22195						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPNZD.fx	3:30:00 PM	22196						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN	9:30:00 AM	22197						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN	11:30:00 AM	22198						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN	1:30:00 PM	22199						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN	3:30:00 PM	22200						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN.fx	9:30:00 AM	22201						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN.fx	11:30:00 AM	22202						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN.fx	1:30:00 PM	22203						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPPLN.fx	3:30:00 PM	22204						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK	9:30:00 AM	22205						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK	11:30:00 AM	22206						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK	1:30:00 PM	22207						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK	3:30:00 PM	22208						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK.fx	9:30:00 AM	22209						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK.fx	11:30:00 AM	22210						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK.fx	1:30:00 PM	22211						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSEK.fx	3:30:00 PM	22212						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD	9:30:00 AM	22213						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	GBPSGD	11:30:00 AM	22214						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD	1:30:00 PM	22215						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD	3:30:00 PM	22216						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD.fx	9:30:00 AM	22217						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD.fx	11:30:00 AM	22218						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD.fx	1:30:00 PM	22219						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPSGD.fx	3:30:00 PM	22220						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD	9:30:00 AM	22221						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD	11:30:00 AM	22222						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD	1:30:00 PM	22223						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD	3:30:00 PM	22224						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD.fx	9:30:00 AM	22225						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD.fx	11:30:00 AM	22226						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD.fx	1:30:00 PM	22227						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPUSD.fx	3:30:00 PM	22228						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR	9:30:00 AM	22229						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR	11:30:00 AM	22230						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR	1:30:00 PM	22231						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR	3:30:00 PM	22232						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR.fx	9:30:00 AM	22233						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR.fx	11:30:00 AM	22234						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR.fx	1:30:00 PM	22235						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GBPZAR.fx	3:30:00 PM	22236						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GOLD	9:30:00 AM	22237						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GOLD	11:30:00 AM	22238						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GOLD	1:30:00 PM	22239						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	GOLD	3:30:00 PM	22240						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY	9:30:00 AM	22241						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY	11:30:00 AM	22242						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY	1:30:00 PM	22243						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY	3:30:00 PM	22244						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY.fx	9:30:00 AM	22245						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY.fx	11:30:00 AM	22246						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HKDJPY.fx	1:30:00 PM	22247						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	HKDJPY.fx	3:30:00 PM	22248						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HUFJPY	9:30:00 AM	22249						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HUFJPY	11:30:00 AM	22250						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HUFJPY	1:30:00 PM	22251						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	HUFJPY	3:30:00 PM	22252						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JP225.i	9:30:00 AM	22253						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JP225.i	11:30:00 AM	22254						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JP225.i	1:30:00 PM	22255						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JP225.i	3:30:00 PM	22256						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	MXNJPY	9:30:00 AM	22257						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	MXNJPY	11:30:00 AM	22258						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	MXNJPY	1:30:00 PM	22259						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	MXNJPY	3:30:00 PM	22260						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NASDAQ.i	9:30:00 AM	22261						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NASDAQ.i	11:30:00 AM	22262						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NASDAQ.i	1:30:00 PM	22263						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NASDAQ.i	3:30:00 PM	22264						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY	9:30:00 AM	22265						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY	11:30:00 AM	22266						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY	1:30:00 PM	22267						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY	3:30:00 PM	22268						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY.fx	9:30:00 AM	22269						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY.fx	11:30:00 AM	22270						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY.fx	1:30:00 PM	22271						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NOKJPY.fx	3:30:00 PM	22272						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD	9:30:00 AM	22273						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD	11:30:00 AM	22274						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD	1:30:00 PM	22275						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD	3:30:00 PM	22276						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD.fx	9:30:00 AM	22277						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD.fx	11:30:00 AM	22278						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD.fx	1:30:00 PM	22279						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCAD.fx	3:30:00 PM	22280						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF	9:30:00 AM	22281						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	NZDCHF	11:30:00 AM	22282						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF	1:30:00 PM	22283						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF	3:30:00 PM	22284						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF.fx	9:30:00 AM	22285						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF.fx	11:30:00 AM	22286						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF.fx	1:30:00 PM	22287						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCHF.fx	3:30:00 PM	22288						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCZK	9:30:00 AM	22289						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCZK	11:30:00 AM	22290						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCZK	1:30:00 PM	22291						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDCZK	3:30:00 PM	22292						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDDKK	9:30:00 AM	22293						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDDKK	11:30:00 AM	22294						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDDKK	1:30:00 PM	22295						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDDKK	3:30:00 PM	22296						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHKD	9:30:00 AM	22297						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHKD	11:30:00 AM	22298						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHKD	1:30:00 PM	22299						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHKD	3:30:00 PM	22300						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHUF	9:30:00 AM	22301						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHUF	11:30:00 AM	22302						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHUF	1:30:00 PM	22303						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDHUF	3:30:00 PM	22304						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY	9:30:00 AM	22305						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY	11:30:00 AM	22306						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY	1:30:00 PM	22307						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY	3:30:00 PM	22308						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY.fx	9:30:00 AM	22309						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY.fx	11:30:00 AM	22310						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY.fx	1:30:00 PM	22311						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDJPY.fx	3:30:00 PM	22312						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDMXN	9:30:00 AM	22313						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDMXN	11:30:00 AM	22314						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDMXN	1:30:00 PM	22315						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	NZDMXN	3:30:00 PM	22316						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDNOK	9:30:00 AM	22317						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDNOK	11:30:00 AM	22318						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDNOK	1:30:00 PM	22319						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDNOK	3:30:00 PM	22320						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDPLN	9:30:00 AM	22321						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDPLN	11:30:00 AM	22322						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDPLN	1:30:00 PM	22323						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDPLN	3:30:00 PM	22324						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSEK	9:30:00 AM	22325						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSEK	11:30:00 AM	22326						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSEK	1:30:00 PM	22327						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSEK	3:30:00 PM	22328						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD	9:30:00 AM	22329						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD	11:30:00 AM	22330						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD	1:30:00 PM	22331						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD	3:30:00 PM	22332						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD.fx	9:30:00 AM	22333						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD.fx	11:30:00 AM	22334						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD.fx	1:30:00 PM	22335						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDSGD.fx	3:30:00 PM	22336						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD	9:30:00 AM	22337						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD	11:30:00 AM	22338						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD	1:30:00 PM	22339						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD	3:30:00 PM	22340						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD.fx	9:30:00 AM	22341						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD.fx	11:30:00 AM	22342						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD.fx	1:30:00 PM	22343						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDUSD.fx	3:30:00 PM	22344						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDZAR	9:30:00 AM	22345						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDZAR	11:30:00 AM	22346						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDZAR	1:30:00 PM	22347						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	NZDZAR	3:30:00 PM	22348						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY	9:30:00 AM	22349						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	SEKJPY	11:30:00 AM	22350						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY	1:30:00 PM	22351						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY	3:30:00 PM	22352						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY.fx	9:30:00 AM	22353						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY.fx	11:30:00 AM	22354						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY.fx	1:30:00 PM	22355						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SEKJPY.fx	3:30:00 PM	22356						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SGDJPY	9:30:00 AM	22357						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SGDJPY	11:30:00 AM	22358						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SGDJPY	1:30:00 PM	22359						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SGDJPY	3:30:00 PM	22360						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SILVER	9:30:00 AM	22361						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SILVER	11:30:00 AM	22362						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SILVER	1:30:00 PM	22363						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SILVER	3:30:00 PM	22364						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SPX500.i	9:30:00 AM	22365						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SPX500.i	11:30:00 AM	22366						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SPX500.i	1:30:00 PM	22367						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	SPX500.i	3:30:00 PM	22368						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	UK100.i	9:30:00 AM	22369						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	UK100.i	11:30:00 AM	22370						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	UK100.i	1:30:00 PM	22371						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	UK100.i	3:30:00 PM	22372						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD	9:30:00 AM	22373						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD	11:30:00 AM	22374						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD	1:30:00 PM	22375						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD	3:30:00 PM	22376						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD.fx	9:30:00 AM	22377						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD.fx	11:30:00 AM	22378						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD.fx	1:30:00 PM	22379						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCAD.fx	3:30:00 PM	22380						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF	9:30:00 AM	22381						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF	11:30:00 AM	22382						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF	1:30:00 PM	22383						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	USDCHF	3:30:00 PM	22384						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF.fx	9:30:00 AM	22385						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF.fx	11:30:00 AM	22386						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF.fx	1:30:00 PM	22387						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCHF.fx	3:30:00 PM	22388						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK	9:30:00 AM	22389						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK	11:30:00 AM	22390						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK	1:30:00 PM	22391						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK	3:30:00 PM	22392						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK.fx	9:30:00 AM	22393						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK.fx	11:30:00 AM	22394						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK.fx	1:30:00 PM	22395						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDCZK.fx	3:30:00 PM	22396						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK	9:30:00 AM	22397						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK	11:30:00 AM	22398						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK	1:30:00 PM	22399						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK	3:30:00 PM	22400						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK.fx	9:30:00 AM	22401						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK.fx	11:30:00 AM	22402						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK.fx	1:30:00 PM	22403						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDDKK.fx	3:30:00 PM	22404						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD	9:30:00 AM	22405						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD	11:30:00 AM	22406						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD	1:30:00 PM	22407						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD	3:30:00 PM	22408						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD.fx	9:30:00 AM	22409						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD.fx	11:30:00 AM	22410						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD.fx	1:30:00 PM	22411						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHKD.fx	3:30:00 PM	22412						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF	9:30:00 AM	22413						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF	11:30:00 AM	22414						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF	1:30:00 PM	22415						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF	3:30:00 PM	22416						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF.fx	9:30:00 AM	22417						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	USDHUF.fx	11:30:00 AM	22418						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF.fx	1:30:00 PM	22419						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDHUF.fx	3:30:00 PM	22420						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDINR	9:30:00 AM	22421						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDINR	11:30:00 AM	22422						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDINR	1:30:00 PM	22423						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDINR	3:30:00 PM	22424						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	USDJPY	11:30:00 AM	22426						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY	1:30:00 PM	22427						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY	3:30:00 PM	22428						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY.fx	9:30:00 AM	22429						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY.fx	11:30:00 AM	22430						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY.fx	1:30:00 PM	22431						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDJPY.fx	3:30:00 PM	22432						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDMXN	9:30:00 AM	22433						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDMXN	11:30:00 AM	22434						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDMXN	1:30:00 PM	22435						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDMXN	3:30:00 PM	22436						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JSDMXN.fx	9:30:00 AM	22437						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JSDMXN.fx	11:30:00 AM	22438						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JSDMXN.fx	1:30:00 PM	22439						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	JSDMXN.fx	3:30:00 PM	22440						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK	9:30:00 AM	22441						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK	11:30:00 AM	22442						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK	1:30:00 PM	22443						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK	3:30:00 PM	22444						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK.fx	9:30:00 AM	22445						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK.fx	11:30:00 AM	22446						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK.fx	1:30:00 PM	22447						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDNOK.fx	3:30:00 PM	22448						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN	9:30:00 AM	22449						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN	11:30:00 AM	22450						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN	1:30:00 PM	22451						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	USDPLN	3:30:00 PM	22452						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN.fx	9:30:00 AM	22453						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN.fx	11:30:00 AM	22454						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN.fx	1:30:00 PM	22455						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDPLN.fx	3:30:00 PM	22456						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDRUB	9:30:00 AM	22457						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDRUB	11:30:00 AM	22458						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDRUB	1:30:00 PM	22459						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDRUB	3:30:00 PM	22460						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK	9:30:00 AM	22461						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK	11:30:00 AM	22462						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK	1:30:00 PM	22463						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK	3:30:00 PM	22464						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK.fx	9:30:00 AM	22465						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSEK.fx	11:30:00 AM	22466						Continuous Quote	N/A	ELECTRONIC	N/A
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10/19/2019	USDSGD	9:30:00 AM	22469						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD	11:30:00 AM	22470						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD	1:30:00 PM	22471						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD	3:30:00 PM	22472						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD.fx	9:30:00 AM	22473						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD.fx	11:30:00 AM	22474						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD.fx	1:30:00 PM	22475						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDSGD.fx	3:30:00 PM	22476						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR	9:30:00 AM	22477						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR	11:30:00 AM	22478						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR	1:30:00 PM	22479						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR	3:30:00 PM	22480						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR.fx	9:30:00 AM	22481						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR.fx	11:30:00 AM	22482						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR.fx	1:30:00 PM	22483						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	USDZAR.fx	3:30:00 PM	22484						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	XAUUSD	9:30:00 AM	22485						Continuous Quote	N/A	ELECTRONIC	N/A

10/19/2019	XAUUSD	11:30:00 AM	22486						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	XAUUSD	1:30:00 PM	22487						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	XAUUSD	3:30:00 PM	22488						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY	9:30:00 AM	22489						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY	11:30:00 AM	22490						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY	1:30:00 PM	22491						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY	3:30:00 PM	22492						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY.fx	9:30:00 AM	22493						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY.fx	11:30:00 AM	22494						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY.fx	1:30:00 PM	22495						Continuous Quote	N/A	ELECTRONIC	N/A
10/19/2019	ZARJPY.fx	3:30:00 PM	22496						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AA	9:30:00 AM	22497						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AA	11:30:00 AM	22498						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AA	1:30:00 PM	22499						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AA	3:30:00 PM	22500						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AABA	9:30:00 AM	22501						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AABA	1:30:00 PM	22503						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AAL	9:30:00 AM	22505						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AAL	1:30:00 PM	22507						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AAL	3:30:00 PM	22508						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#ADBE	1:30:00 PM	22515						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#ADBE	3:30:00 PM	22516						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AMD	3:30:00 PM	22524						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AMZN	9:30:00 AM	22525						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AMZN	11:30:00 AM	22526						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AMZN	3:30:00 PM	22528						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AXP	9:30:00 AM	22529						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#AXP	11:30:00 AM	22530						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#AXP	3:30:00 PM	22532						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BA	9:30:00 AM	22533						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BA	11:30:00 AM	22534						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BA	1:30:00 PM	22535						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BA	3:30:00 PM	22536						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BABA	9:30:00 AM	22537						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BABA	11:30:00 AM	22538						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BABA	1:30:00 PM	22539						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BABA	3:30:00 PM	22540						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BAC	9:30:00 AM	22541						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#BAC	3:30:00 PM	22544						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BARC	9:30:00 AM	22545						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BARC	11:30:00 AM	22546						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#BHP	9:30:00 AM	22549						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#BHP	11:30:00 AM	22550						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#BHP	3:30:00 PM	22552						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#CMCSA	9:30:00 AM	22593						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#CSCO	3:30:00 PM	22600						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#CVX	11:30:00 AM	22602						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#DD	9:30:00 AM	22605						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#EBAY	11:30:00 AM	22618						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	#EBAY	3:30:00 PM	22620						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#Ethereum	9:30:00 AM	22621						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	#Ethereum	11:30:00 AM	22622						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#Ethereum	1:30:00 PM	22623						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	#Ethereum	3:30:00 PM	22624						Continuous Quote	N/A	ELECTRONIC	N/A
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10/20/2019	AUDUSD.fx	1:30:00 PM	23027						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUDUSD.fx	3:30:00 PM	23028						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUDZAR	9:30:00 AM	23029						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	AUDZAR	11:30:00 AM	23030						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUDZAR	1:30:00 PM	23031						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUDZAR	3:30:00 PM	23032						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUS200.i	9:30:00 AM	23033						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUS200.i	11:30:00 AM	23034						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUS200.i	1:30:00 PM	23035						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	AUS200.i	3:30:00 PM	23036						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	BCHUSD	9:30:00 AM	23037						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	BCHUSD	11:30:00 AM	23038						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	BCHUSD	1:30:00 PM	23039						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	BCHUSD	3:30:00 PM	23040						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF	9:30:00 AM	23041						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF	11:30:00 AM	23042						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF	1:30:00 PM	23043						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF	3:30:00 PM	23044						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF.fx	9:30:00 AM	23045						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF.fx	11:30:00 AM	23046						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF.fx	1:30:00 PM	23047						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCHF.fx	3:30:00 PM	23048						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCZK	9:30:00 AM	23049						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCZK	11:30:00 AM	23050						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCZK	1:30:00 PM	23051						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADCZK	3:30:00 PM	23052						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADDDKK	9:30:00 AM	23053						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADDDKK	11:30:00 AM	23054						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADDDKK	1:30:00 PM	23055						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADDDKK	3:30:00 PM	23056						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHKD	9:30:00 AM	23057						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHKD	11:30:00 AM	23058						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHKD	1:30:00 PM	23059						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHKD	3:30:00 PM	23060						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHUF	9:30:00 AM	23061						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHUF	11:30:00 AM	23062						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADHUF	1:30:00 PM	23063						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	CADHUF	3:30:00 PM	23064						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY	9:30:00 AM	23065						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY	11:30:00 AM	23066						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY	1:30:00 PM	23067						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY	3:30:00 PM	23068						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY.fx	9:30:00 AM	23069						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY.fx	11:30:00 AM	23070						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY.fx	1:30:00 PM	23071						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADJPY.fx	3:30:00 PM	23072						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADMXN	9:30:00 AM	23073						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADMXN	11:30:00 AM	23074						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADMXN	1:30:00 PM	23075						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADMXN	3:30:00 PM	23076						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADNOK	9:30:00 AM	23077						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADNOK	11:30:00 AM	23078						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADNOK	1:30:00 PM	23079						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADNOK	3:30:00 PM	23080						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADPLN	9:30:00 AM	23081						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADPLN	11:30:00 AM	23082						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADPLN	1:30:00 PM	23083						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADPLN	3:30:00 PM	23084						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSEK	9:30:00 AM	23085						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSEK	11:30:00 AM	23086						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSEK	1:30:00 PM	23087						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSEK	3:30:00 PM	23088						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSGD	9:30:00 AM	23089						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSGD	11:30:00 AM	23090						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSGD	1:30:00 PM	23091						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADSGD	3:30:00 PM	23092						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADZAR	9:30:00 AM	23093						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADZAR	11:30:00 AM	23094						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADZAR	1:30:00 PM	23095						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CADZAR	3:30:00 PM	23096						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFCZK	9:30:00 AM	23097						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	CHFCZK	11:30:00 AM	23098						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFCZK	1:30:00 PM	23099						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFCZK	3:30:00 PM	23100						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK	9:30:00 AM	23101						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK	11:30:00 AM	23102						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK	1:30:00 PM	23103						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK	3:30:00 PM	23104						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK.fx	9:30:00 AM	23105						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK.fx	11:30:00 AM	23106						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK.fx	1:30:00 PM	23107						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFDKK.fx	3:30:00 PM	23108						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHKD	9:30:00 AM	23109						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHKD	11:30:00 AM	23110						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHKD	1:30:00 PM	23111						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHKD	3:30:00 PM	23112						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHUF	9:30:00 AM	23113						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHUF	11:30:00 AM	23114						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHUF	1:30:00 PM	23115						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFHUF	3:30:00 PM	23116						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY	9:30:00 AM	23117						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY	11:30:00 AM	23118						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY	1:30:00 PM	23119						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY	3:30:00 PM	23120						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY.fx	9:30:00 AM	23121						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY.fx	11:30:00 AM	23122						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY.fx	1:30:00 PM	23123						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFJPY.fx	3:30:00 PM	23124						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFMXN	9:30:00 AM	23125						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFMXN	11:30:00 AM	23126						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFMXN	1:30:00 PM	23127						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFMXN	3:30:00 PM	23128						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK	9:30:00 AM	23129						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK	11:30:00 AM	23130						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK	1:30:00 PM	23131						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	CHFNOK	3:30:00 PM	23132						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK.fx	9:30:00 AM	23133						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK.fx	11:30:00 AM	23134						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK.fx	1:30:00 PM	23135						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFNOK.fx	3:30:00 PM	23136						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN	9:30:00 AM	23137						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN	11:30:00 AM	23138						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN	1:30:00 PM	23139						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN	3:30:00 PM	23140						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN.fx	9:30:00 AM	23141						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN.fx	11:30:00 AM	23142						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN.fx	1:30:00 PM	23143						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFPLN.fx	3:30:00 PM	23144						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSEK	9:30:00 AM	23145						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSEK	11:30:00 AM	23146						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSEK	1:30:00 PM	23147						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSEK	3:30:00 PM	23148						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD	9:30:00 AM	23149						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD	11:30:00 AM	23150						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD	1:30:00 PM	23151						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD	3:30:00 PM	23152						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD.fx	9:30:00 AM	23153						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD.fx	11:30:00 AM	23154						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD.fx	1:30:00 PM	23155						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFSGD.fx	3:30:00 PM	23156						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFZAR	9:30:00 AM	23157						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFZAR	11:30:00 AM	23158						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFZAR	1:30:00 PM	23159						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CHFZAR	3:30:00 PM	23160						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CZKJPY	9:30:00 AM	23161						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CZKJPY	11:30:00 AM	23162						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CZKJPY	1:30:00 PM	23163						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	CZKJPY	3:30:00 PM	23164						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DAX30.i	9:30:00 AM	23165						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	DAX30.i	11:30:00 AM	23166						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DAX30.i	1:30:00 PM	23167						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DAX30.i	3:30:00 PM	23168						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DJ30.i	9:30:00 AM	23169						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DJ30.i	11:30:00 AM	23170						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DJ30.i	1:30:00 PM	23171						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DJ30.i	3:30:00 PM	23172						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DKKJPY	9:30:00 AM	23173						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DKKJPY	11:30:00 AM	23174						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DKKJPY	1:30:00 PM	23175						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	DKKJPY	3:30:00 PM	23176						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD	9:30:00 AM	23177						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD	11:30:00 AM	23178						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD	1:30:00 PM	23179						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD	3:30:00 PM	23180						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD.fx	9:30:00 AM	23181						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD.fx	11:30:00 AM	23182						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD.fx	1:30:00 PM	23183						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURAUD.fx	3:30:00 PM	23184						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD	9:30:00 AM	23185						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD	11:30:00 AM	23186						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD	1:30:00 PM	23187						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD	3:30:00 PM	23188						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD.fx	9:30:00 AM	23189						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD.fx	11:30:00 AM	23190						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD.fx	1:30:00 PM	23191						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCAD.fx	3:30:00 PM	23192						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF	9:30:00 AM	23193						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF	11:30:00 AM	23194						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF	1:30:00 PM	23195						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF	3:30:00 PM	23196						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF.fx	9:30:00 AM	23197						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF.fx	11:30:00 AM	23198						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCHF.fx	1:30:00 PM	23199						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	EURCHF.fx	3:30:00 PM	23200						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCZK	9:30:00 AM	23201						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCZK	11:30:00 AM	23202						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCZK	1:30:00 PM	23203						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURCZK	3:30:00 PM	23204						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURDKK	9:30:00 AM	23205						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURDKK	11:30:00 AM	23206						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURDKK	1:30:00 PM	23207						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURDKK	3:30:00 PM	23208						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP	9:30:00 AM	23209						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP	11:30:00 AM	23210						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP	1:30:00 PM	23211						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP	3:30:00 PM	23212						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP.fx	9:30:00 AM	23213						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP.fx	11:30:00 AM	23214						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP.fx	1:30:00 PM	23215						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURGBP.fx	3:30:00 PM	23216						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD	9:30:00 AM	23217						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD	11:30:00 AM	23218						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD	1:30:00 PM	23219						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD	3:30:00 PM	23220						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD.fx	9:30:00 AM	23221						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD.fx	11:30:00 AM	23222						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD.fx	1:30:00 PM	23223						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHKD.fx	3:30:00 PM	23224						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF	9:30:00 AM	23225						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF	11:30:00 AM	23226						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF	1:30:00 PM	23227						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF	3:30:00 PM	23228						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF.fx	9:30:00 AM	23229						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF.fx	11:30:00 AM	23230						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF.fx	1:30:00 PM	23231						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURHUF.fx	3:30:00 PM	23232						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY	9:30:00 AM	23233						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	EURJPY	11:30:00 AM	23234						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY	1:30:00 PM	23235						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY	3:30:00 PM	23236						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY.fx	9:30:00 AM	23237						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY.fx	11:30:00 AM	23238						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY.fx	1:30:00 PM	23239						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURJPY.fx	3:30:00 PM	23240						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN	9:30:00 AM	23241						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN	11:30:00 AM	23242						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN	1:30:00 PM	23243						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN	3:30:00 PM	23244						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN.fx	9:30:00 AM	23245						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN.fx	11:30:00 AM	23246						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN.fx	1:30:00 PM	23247						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURMXN.fx	3:30:00 PM	23248						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK	9:30:00 AM	23249						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK	11:30:00 AM	23250						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK	1:30:00 PM	23251						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK	3:30:00 PM	23252						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK.fx	9:30:00 AM	23253						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK.fx	11:30:00 AM	23254						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK.fx	1:30:00 PM	23255						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNOK.fx	3:30:00 PM	23256						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD	9:30:00 AM	23257						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD	11:30:00 AM	23258						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD	1:30:00 PM	23259						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD	3:30:00 PM	23260						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD.fx	9:30:00 AM	23261						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD.fx	11:30:00 AM	23262						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD.fx	1:30:00 PM	23263						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURNZD.fx	3:30:00 PM	23264						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN	9:30:00 AM	23265						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN	11:30:00 AM	23266						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN	1:30:00 PM	23267						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	EURPLN	3:30:00 PM	23268						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN.fx	9:30:00 AM	23269						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN.fx	11:30:00 AM	23270						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN.fx	1:30:00 PM	23271						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURPLN.fx	3:30:00 PM	23272						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURRUB	9:30:00 AM	23273						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURRUB	11:30:00 AM	23274						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURRUB	1:30:00 PM	23275						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURRUB	3:30:00 PM	23276						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK	9:30:00 AM	23277						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK	11:30:00 AM	23278						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK	1:30:00 PM	23279						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK	3:30:00 PM	23280						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK.fx	9:30:00 AM	23281						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK.fx	11:30:00 AM	23282						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK.fx	1:30:00 PM	23283						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSEK.fx	3:30:00 PM	23284						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD	9:30:00 AM	23285						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD	11:30:00 AM	23286						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD	1:30:00 PM	23287						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD	3:30:00 PM	23288						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD.fx	9:30:00 AM	23289						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD.fx	11:30:00 AM	23290						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD.fx	1:30:00 PM	23291						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURSGD.fx	3:30:00 PM	23292						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD	9:30:00 AM	23293						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD	11:30:00 AM	23294						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD	1:30:00 PM	23295						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD	3:30:00 PM	23296						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD.fx	9:30:00 AM	23297						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD.fx	11:30:00 AM	23298						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD.fx	1:30:00 PM	23299						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURUSD.fx	3:30:00 PM	23300						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR	9:30:00 AM	23301						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	EURZAR	11:30:00 AM	23302						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR	1:30:00 PM	23303						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR	3:30:00 PM	23304						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR.fx	9:30:00 AM	23305						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR.fx	11:30:00 AM	23306						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR.fx	1:30:00 PM	23307						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	EURZAR.fx	3:30:00 PM	23308						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD	9:30:00 AM	23309						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD	11:30:00 AM	23310						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD	1:30:00 PM	23311						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD	3:30:00 PM	23312						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD.fx	9:30:00 AM	23313						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD.fx	11:30:00 AM	23314						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD.fx	1:30:00 PM	23315						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPAUD.fx	3:30:00 PM	23316						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD	9:30:00 AM	23317						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD	11:30:00 AM	23318						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD	1:30:00 PM	23319						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD	3:30:00 PM	23320						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD.fx	9:30:00 AM	23321						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD.fx	11:30:00 AM	23322						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD.fx	1:30:00 PM	23323						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCAD.fx	3:30:00 PM	23324						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF	9:30:00 AM	23325						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF	11:30:00 AM	23326						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF	1:30:00 PM	23327						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF	3:30:00 PM	23328						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF.fx	9:30:00 AM	23329						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF.fx	11:30:00 AM	23330						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF.fx	1:30:00 PM	23331						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCHF.fx	3:30:00 PM	23332						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCZK	9:30:00 AM	23333						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCZK	11:30:00 AM	23334						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPCZK	1:30:00 PM	23335						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	GBPCZK	3:30:00 PM	23336						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK	9:30:00 AM	23337						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK	11:30:00 AM	23338						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK	1:30:00 PM	23339						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK	3:30:00 PM	23340						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK.fx	9:30:00 AM	23341						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK.fx	11:30:00 AM	23342						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK.fx	1:30:00 PM	23343						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPDKK.fx	3:30:00 PM	23344						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHKD	9:30:00 AM	23345						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHKD	11:30:00 AM	23346						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHKD	1:30:00 PM	23347						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHKD	3:30:00 PM	23348						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHUF	9:30:00 AM	23349						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHUF	11:30:00 AM	23350						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHUF	1:30:00 PM	23351						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPHUF	3:30:00 PM	23352						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY	9:30:00 AM	23353						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY	11:30:00 AM	23354						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY	1:30:00 PM	23355						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY	3:30:00 PM	23356						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY.fx	9:30:00 AM	23357						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY.fx	11:30:00 AM	23358						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY.fx	1:30:00 PM	23359						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPJPY.fx	3:30:00 PM	23360						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPMXN	9:30:00 AM	23361						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPMXN	11:30:00 AM	23362						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPMXN	1:30:00 PM	23363						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPMXN	3:30:00 PM	23364						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK	9:30:00 AM	23365						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK	11:30:00 AM	23366						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK	1:30:00 PM	23367						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK	3:30:00 PM	23368						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK.fx	9:30:00 AM	23369						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	GBPNOK.fx	11:30:00 AM	23370						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK.fx	1:30:00 PM	23371						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNOK.fx	3:30:00 PM	23372						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD	9:30:00 AM	23373						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD	11:30:00 AM	23374						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD	1:30:00 PM	23375						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD	3:30:00 PM	23376						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD.fx	9:30:00 AM	23377						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD.fx	11:30:00 AM	23378						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD.fx	1:30:00 PM	23379						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPNZD.fx	3:30:00 PM	23380						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN	9:30:00 AM	23381						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN	11:30:00 AM	23382						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN	1:30:00 PM	23383						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN	3:30:00 PM	23384						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN.fx	9:30:00 AM	23385						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN.fx	11:30:00 AM	23386						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN.fx	1:30:00 PM	23387						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPPLN.fx	3:30:00 PM	23388						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK	9:30:00 AM	23389						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK	11:30:00 AM	23390						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK	1:30:00 PM	23391						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK	3:30:00 PM	23392						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK.fx	9:30:00 AM	23393						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK.fx	11:30:00 AM	23394						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK.fx	1:30:00 PM	23395						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSEK.fx	3:30:00 PM	23396						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD	9:30:00 AM	23397						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD	11:30:00 AM	23398						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD	1:30:00 PM	23399						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD	3:30:00 PM	23400						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD.fx	9:30:00 AM	23401						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD.fx	11:30:00 AM	23402						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPSGD.fx	1:30:00 PM	23403						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	GBPSGD.fx	3:30:00 PM	23404						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD	9:30:00 AM	23405						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD	11:30:00 AM	23406						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD	1:30:00 PM	23407						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD	3:30:00 PM	23408						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD.fx	9:30:00 AM	23409						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD.fx	11:30:00 AM	23410						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD.fx	1:30:00 PM	23411						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPUSD.fx	3:30:00 PM	23412						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR	9:30:00 AM	23413						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR	11:30:00 AM	23414						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR	1:30:00 PM	23415						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR	3:30:00 PM	23416						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR.fx	9:30:00 AM	23417						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR.fx	11:30:00 AM	23418						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR.fx	1:30:00 PM	23419						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GBPZAR.fx	3:30:00 PM	23420						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GOLD	9:30:00 AM	23421						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GOLD	11:30:00 AM	23422						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GOLD	1:30:00 PM	23423						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	GOLD	3:30:00 PM	23424						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY	9:30:00 AM	23425						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY	11:30:00 AM	23426						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY	1:30:00 PM	23427						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY	3:30:00 PM	23428						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY.fx	9:30:00 AM	23429						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY.fx	11:30:00 AM	23430						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY.fx	1:30:00 PM	23431						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HKDJPY.fx	3:30:00 PM	23432						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HUFJPY	9:30:00 AM	23433						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HUFJPY	11:30:00 AM	23434						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HUFJPY	1:30:00 PM	23435						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	HUFJPY	3:30:00 PM	23436						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JP225.i	9:30:00 AM	23437						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	JP225.i	11:30:00 AM	23438						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JP225.i	1:30:00 PM	23439						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JP225.i	3:30:00 PM	23440						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	MXNJPY	9:30:00 AM	23441						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	MXNJPY	11:30:00 AM	23442						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	MXNJPY	1:30:00 PM	23443						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	MXNJPY	3:30:00 PM	23444						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NASDAQ.i	9:30:00 AM	23445						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NASDAQ.i	11:30:00 AM	23446						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NASDAQ.i	1:30:00 PM	23447						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NASDAQ.i	3:30:00 PM	23448						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY	9:30:00 AM	23449						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY	11:30:00 AM	23450						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY	1:30:00 PM	23451						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY	3:30:00 PM	23452						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY.fx	9:30:00 AM	23453						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY.fx	11:30:00 AM	23454						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY.fx	1:30:00 PM	23455						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NOKJPY.fx	3:30:00 PM	23456						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD	9:30:00 AM	23457						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD	11:30:00 AM	23458						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD	1:30:00 PM	23459						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD	3:30:00 PM	23460						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD.fx	9:30:00 AM	23461						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD.fx	11:30:00 AM	23462						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD.fx	1:30:00 PM	23463						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCAD.fx	3:30:00 PM	23464						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF	9:30:00 AM	23465						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF	11:30:00 AM	23466						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF	1:30:00 PM	23467						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF	3:30:00 PM	23468						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF.fx	9:30:00 AM	23469						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF.fx	11:30:00 AM	23470						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCHF.fx	1:30:00 PM	23471						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	NZDCHF.fx	3:30:00 PM	23472						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCZK	9:30:00 AM	23473						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCZK	11:30:00 AM	23474						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCZK	1:30:00 PM	23475						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDCZK	3:30:00 PM	23476						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDDKK	9:30:00 AM	23477						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDDKK	11:30:00 AM	23478						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDDKK	1:30:00 PM	23479						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDDKK	3:30:00 PM	23480						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHKD	9:30:00 AM	23481						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHKD	11:30:00 AM	23482						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHKD	1:30:00 PM	23483						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHKD	3:30:00 PM	23484						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHUF	9:30:00 AM	23485						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHUF	11:30:00 AM	23486						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHUF	1:30:00 PM	23487						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDHUF	3:30:00 PM	23488						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY	9:30:00 AM	23489						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY	11:30:00 AM	23490						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY	1:30:00 PM	23491						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY	3:30:00 PM	23492						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY.fx	9:30:00 AM	23493						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY.fx	11:30:00 AM	23494						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY.fx	1:30:00 PM	23495						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDJPY.fx	3:30:00 PM	23496						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDMXN	9:30:00 AM	23497						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDMXN	11:30:00 AM	23498						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDMXN	1:30:00 PM	23499						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDMXN	3:30:00 PM	23500						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDNOK	9:30:00 AM	23501						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDNOK	11:30:00 AM	23502						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDNOK	1:30:00 PM	23503						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDNOK	3:30:00 PM	23504						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDPLN	9:30:00 AM	23505						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	NZDPLN	11:30:00 AM	23506						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDPLN	1:30:00 PM	23507						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDPLN	3:30:00 PM	23508						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSEK	9:30:00 AM	23509						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSEK	11:30:00 AM	23510						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSEK	1:30:00 PM	23511						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSEK	3:30:00 PM	23512						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD	9:30:00 AM	23513						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD	11:30:00 AM	23514						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD	1:30:00 PM	23515						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD	3:30:00 PM	23516						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD.fx	9:30:00 AM	23517						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD.fx	11:30:00 AM	23518						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD.fx	1:30:00 PM	23519						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDSGD.fx	3:30:00 PM	23520						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD	9:30:00 AM	23521						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD	11:30:00 AM	23522						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD	1:30:00 PM	23523						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD	3:30:00 PM	23524						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD.fx	9:30:00 AM	23525						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD.fx	11:30:00 AM	23526						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD.fx	1:30:00 PM	23527						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDUSD.fx	3:30:00 PM	23528						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDZAR	9:30:00 AM	23529						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDZAR	11:30:00 AM	23530						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDZAR	1:30:00 PM	23531						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	NZDZAR	3:30:00 PM	23532						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY	9:30:00 AM	23533						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY	11:30:00 AM	23534						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY	1:30:00 PM	23535						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY	3:30:00 PM	23536						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY.fx	9:30:00 AM	23537						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY.fx	11:30:00 AM	23538						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SEKJPY.fx	1:30:00 PM	23539						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	SEKJPY.fx	3:30:00 PM	23540						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SGDJPY	9:30:00 AM	23541						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SGDJPY	11:30:00 AM	23542						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SGDJPY	1:30:00 PM	23543						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SGDJPY	3:30:00 PM	23544						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SILVER	9:30:00 AM	23545						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SILVER	11:30:00 AM	23546						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SILVER	1:30:00 PM	23547						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SILVER	3:30:00 PM	23548						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SPX500.i	9:30:00 AM	23549						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SPX500.i	11:30:00 AM	23550						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SPX500.i	1:30:00 PM	23551						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	SPX500.i	3:30:00 PM	23552						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	UK100.i	9:30:00 AM	23553						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	UK100.i	11:30:00 AM	23554						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	UK100.i	1:30:00 PM	23555						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	UK100.i	3:30:00 PM	23556						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD	9:30:00 AM	23557						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD	11:30:00 AM	23558						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD	1:30:00 PM	23559						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD	3:30:00 PM	23560						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD.fx	9:30:00 AM	23561						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD.fx	11:30:00 AM	23562						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD.fx	1:30:00 PM	23563						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCAD.fx	3:30:00 PM	23564						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF	9:30:00 AM	23565						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF	11:30:00 AM	23566						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF	1:30:00 PM	23567						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF	3:30:00 PM	23568						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF.fx	9:30:00 AM	23569						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF.fx	11:30:00 AM	23570						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF.fx	1:30:00 PM	23571						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCHF.fx	3:30:00 PM	23572						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK	9:30:00 AM	23573						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	USDCZK	11:30:00 AM	23574						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK	1:30:00 PM	23575						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK	3:30:00 PM	23576						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK.fx	9:30:00 AM	23577						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK.fx	11:30:00 AM	23578						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK.fx	1:30:00 PM	23579						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDCZK.fx	3:30:00 PM	23580						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK	9:30:00 AM	23581						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK	11:30:00 AM	23582						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK	1:30:00 PM	23583						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK	3:30:00 PM	23584						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK.fx	9:30:00 AM	23585						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK.fx	11:30:00 AM	23586						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK.fx	1:30:00 PM	23587						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDDKK.fx	3:30:00 PM	23588						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD	9:30:00 AM	23589						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD	11:30:00 AM	23590						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD	1:30:00 PM	23591						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD	3:30:00 PM	23592						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD.fx	9:30:00 AM	23593						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD.fx	11:30:00 AM	23594						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD.fx	1:30:00 PM	23595						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHKD.fx	3:30:00 PM	23596						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF	9:30:00 AM	23597						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF	11:30:00 AM	23598						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF	1:30:00 PM	23599						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF	3:30:00 PM	23600						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF.fx	9:30:00 AM	23601						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF.fx	11:30:00 AM	23602						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF.fx	1:30:00 PM	23603						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDHUF.fx	3:30:00 PM	23604						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDINR	9:30:00 AM	23605						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDINR	11:30:00 AM	23606						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDINR	1:30:00 PM	23607						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	USDINR	3:30:00 PM	23608						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY	9:30:00 AM	23609						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY	11:30:00 AM	23610						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY	1:30:00 PM	23611						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY	3:30:00 PM	23612						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY.fx	9:30:00 AM	23613						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY.fx	11:30:00 AM	23614						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY.fx	1:30:00 PM	23615						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDJPY.fx	3:30:00 PM	23616						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDMXN	9:30:00 AM	23617						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDMXN	11:30:00 AM	23618						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDMXN	1:30:00 PM	23619						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDMXN	3:30:00 PM	23620						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JSDMXN.fx	9:30:00 AM	23621						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JSDMXN.fx	11:30:00 AM	23622						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JSDMXN.fx	1:30:00 PM	23623						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	JSDMXN.fx	3:30:00 PM	23624						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK	9:30:00 AM	23625						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK	11:30:00 AM	23626						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK	1:30:00 PM	23627						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK	3:30:00 PM	23628						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK.fx	9:30:00 AM	23629						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK.fx	11:30:00 AM	23630						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK.fx	1:30:00 PM	23631						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDNOK.fx	3:30:00 PM	23632						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN	9:30:00 AM	23633						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN	11:30:00 AM	23634						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN	1:30:00 PM	23635						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN	3:30:00 PM	23636						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN.fx	9:30:00 AM	23637						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN.fx	11:30:00 AM	23638						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN.fx	1:30:00 PM	23639						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDPLN.fx	3:30:00 PM	23640						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDRUB	9:30:00 AM	23641						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	USDRUB	11:30:00 AM	23642						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDRUB	1:30:00 PM	23643						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDRUB	3:30:00 PM	23644						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK	9:30:00 AM	23645						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK	11:30:00 AM	23646						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK	1:30:00 PM	23647						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK	3:30:00 PM	23648						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK.fx	9:30:00 AM	23649						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK.fx	11:30:00 AM	23650						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK.fx	1:30:00 PM	23651						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSEK.fx	3:30:00 PM	23652						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD	9:30:00 AM	23653						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD	11:30:00 AM	23654						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD	1:30:00 PM	23655						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD	3:30:00 PM	23656						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD.fx	9:30:00 AM	23657						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD.fx	11:30:00 AM	23658						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD.fx	1:30:00 PM	23659						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDSGD.fx	3:30:00 PM	23660						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR	9:30:00 AM	23661						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR	11:30:00 AM	23662						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR	1:30:00 PM	23663						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR	3:30:00 PM	23664						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR.fx	9:30:00 AM	23665						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR.fx	11:30:00 AM	23666						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR.fx	1:30:00 PM	23667						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	USDZAR.fx	3:30:00 PM	23668						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	XAUUSD	9:30:00 AM	23669						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	XAUUSD	11:30:00 AM	23670						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	XAUUSD	1:30:00 PM	23671						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	XAUUSD	3:30:00 PM	23672						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY	9:30:00 AM	23673						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY	11:30:00 AM	23674						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY	1:30:00 PM	23675						Continuous Quote	N/A	ELECTRONIC	N/A

10/20/2019	ZARJPY	3:30:00 PM	23676						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY.fx	9:30:00 AM	23677						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY.fx	11:30:00 AM	23678						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY.fx	1:30:00 PM	23679						Continuous Quote	N/A	ELECTRONIC	N/A
10/20/2019	ZARJPY.fx	3:30:00 PM	23680						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AA	9:30:00 AM	23681						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AA	11:30:00 AM	23682						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AA	1:30:00 PM	23683						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AA	3:30:00 PM	23684						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AABA	9:30:00 AM	23685						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AABA	11:30:00 AM	23686						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AABA	1:30:00 PM	23687						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AABA	3:30:00 PM	23688						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAL	9:30:00 AM	23689						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAL	11:30:00 AM	23690						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAL	1:30:00 PM	23691						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAL	3:30:00 PM	23692						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAPL	9:30:00 AM	23693						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAPL	11:30:00 AM	23694						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAPL	1:30:00 PM	23695						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AAPL	3:30:00 PM	23696						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#ADBE	9:30:00 AM	23697						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#ADBE	11:30:00 AM	23698						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#ADBE	1:30:00 PM	23699						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#ADBE	3:30:00 PM	23700						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AIG	9:30:00 AM	23701						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AIG	11:30:00 AM	23702						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AIG	1:30:00 PM	23703						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AIG	3:30:00 PM	23704						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMD	9:30:00 AM	23705						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMD	11:30:00 AM	23706						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMD	1:30:00 PM	23707						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMD	3:30:00 PM	23708						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMZN	9:30:00 AM	23709						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	#AMZN	11:30:00 AM	23710						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMZN	1:30:00 PM	23711						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AMZN	3:30:00 PM	23712						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AXP	9:30:00 AM	23713						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AXP	11:30:00 AM	23714						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AXP	1:30:00 PM	23715						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#AXP	3:30:00 PM	23716						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BA	9:30:00 AM	23717						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BA	11:30:00 AM	23718						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BA	1:30:00 PM	23719						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BA	3:30:00 PM	23720						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BABA	9:30:00 AM	23721						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BABA	11:30:00 AM	23722						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BABA	1:30:00 PM	23723						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BABA	3:30:00 PM	23724						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BAC	9:30:00 AM	23725						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BAC	11:30:00 AM	23726						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BAC	1:30:00 PM	23727						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BAC	3:30:00 PM	23728						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BARC	9:30:00 AM	23729						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BARC	11:30:00 AM	23730						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BARC	1:30:00 PM	23731						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BARC	3:30:00 PM	23732						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BHP	9:30:00 AM	23733						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BHP	11:30:00 AM	23734						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BHP	1:30:00 PM	23735						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BHP	3:30:00 PM	23736						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BIDU	9:30:00 AM	23737						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BIDU	11:30:00 AM	23738						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BIDU	1:30:00 PM	23739						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BIDU	3:30:00 PM	23740						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#Bitcoin	9:30:00 AM	23741						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#Bitcoin	11:30:00 AM	23742						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#Bitcoin	1:30:00 PM	23743						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	#Bitcoin	3:30:00 PM	23744						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BK	9:30:00 AM	23745						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BK	11:30:00 AM	23746						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BK	1:30:00 PM	23747						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BK	3:30:00 PM	23748						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BLT	9:30:00 AM	23749						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BLT	11:30:00 AM	23750						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BLT	1:30:00 PM	23751						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BLT	3:30:00 PM	23752						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BP	9:30:00 AM	23753						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BP	11:30:00 AM	23754						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BP	1:30:00 PM	23755						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BP	3:30:00 PM	23756						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BTA	9:30:00 AM	23757						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BTA	11:30:00 AM	23758						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BTA	1:30:00 PM	23759						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#BTA	3:30:00 PM	23760						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#C	9:30:00 AM	23761						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#C	3:30:00 PM	23764						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CAT	9:30:00 AM	23765						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#CHL	9:30:00 AM	23769						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#CHL	3:30:00 PM	23772						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CL.f	9:30:00 AM	23773						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CL.f	11:30:00 AM	23774						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CL.f	1:30:00 PM	23775						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CL.f	3:30:00 PM	23776						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CMCSA	9:30:00 AM	23777						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	#CMCSA	11:30:00 AM	23778						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CMCSA	1:30:00 PM	23779						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CMCSA	3:30:00 PM	23780						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CSCO	9:30:00 AM	23781						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CSCO	11:30:00 AM	23782						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#CSCO	3:30:00 PM	23784						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CVX	9:30:00 AM	23785						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CVX	11:30:00 AM	23786						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CVX	1:30:00 PM	23787						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#CVX	3:30:00 PM	23788						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DD	9:30:00 AM	23789						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DD	11:30:00 AM	23790						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DD	1:30:00 PM	23791						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DD	3:30:00 PM	23792						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DIS	9:30:00 AM	23793						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DIS	11:30:00 AM	23794						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DIS	1:30:00 PM	23795						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DIS	3:30:00 PM	23796						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DWDP	9:30:00 AM	23797						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#DWDP	11:30:00 AM	23798						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#DWDP	3:30:00 PM	23800						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#EBAY	9:30:00 AM	23801						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#EBAY	1:30:00 PM	23803						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#EBAY	3:30:00 PM	23804						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#Ethereum	9:30:00 AM	23805						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#Ethereum	1:30:00 PM	23807						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#Ethereum	3:30:00 PM	23808						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#F	9:30:00 AM	23809						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#F	11:30:00 AM	23810						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#F	1:30:00 PM	23811						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	#F	3:30:00 PM	23812						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#FB	9:30:00 AM	23813						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#QCOM	1:30:00 PM	24019						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#QQQ	9:30:00 AM	24021						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#QQQ	1:30:00 PM	24023						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#S	11:30:00 AM	24030						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#S	1:30:00 PM	24031						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#S	3:30:00 PM	24032						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SBUX	9:30:00 AM	24033						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SBUX	11:30:00 AM	24034						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SBUX	1:30:00 PM	24035						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SBUX	3:30:00 PM	24036						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SNE	9:30:00 AM	24037						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SNE	11:30:00 AM	24038						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SNE	1:30:00 PM	24039						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#SPY	9:30:00 AM	24041						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SPY	11:30:00 AM	24042						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#SPY	1:30:00 PM	24043						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#T	9:30:00 AM	24045						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#T	11:30:00 AM	24046						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#TEVA	9:30:00 AM	24049						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	#TEVA	11:30:00 AM	24050						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#TEVA	3:30:00 PM	24052						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#TRI	9:30:00 AM	24053						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#TRI	11:30:00 AM	24054						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#TRI	3:30:00 PM	24056						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#TRV	11:30:00 AM	24058						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#TSCO	11:30:00 AM	24062						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#TSCO	1:30:00 PM	24063						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#UBS	1:30:00 PM	24075						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#UPS	1:30:00 PM	24083						Continuous Quote	N/A	ELECTRONIC	N/A

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10/21/2019	#UTX	3:30:00 PM	24088						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#V	3:30:00 PM	24092						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#VOD	1:30:00 PM	24095						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#VOD	3:30:00 PM	24096						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#VZ	9:30:00 AM	24097						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	#WDC	1:30:00 PM	24103						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#WDC	3:30:00 PM	24104						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	#WFC	9:30:00 AM	24105						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	AUDSGD.fx	9:30:00 AM	24201						Continuous Quote	N/A	ELECTRONIC	N/A
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10/21/2019	AUS200.i	11:30:00 AM	24218						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	AUS200.i	1:30:00 PM	24219						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	AUS200.i	3:30:00 PM	24220						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	BCHUSD	9:30:00 AM	24221						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	BCHUSD	11:30:00 AM	24222						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	BCHUSD	1:30:00 PM	24223						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	BCHUSD	3:30:00 PM	24224						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF	9:30:00 AM	24225						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF	11:30:00 AM	24226						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF	1:30:00 PM	24227						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF	3:30:00 PM	24228						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF.fx	9:30:00 AM	24229						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF.fx	11:30:00 AM	24230						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF.fx	1:30:00 PM	24231						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCHF.fx	3:30:00 PM	24232						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCZK	9:30:00 AM	24233						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCZK	11:30:00 AM	24234						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCZK	1:30:00 PM	24235						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADCZK	3:30:00 PM	24236						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADDDKK	9:30:00 AM	24237						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADDDKK	11:30:00 AM	24238						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADDDKK	1:30:00 PM	24239						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADDDKK	3:30:00 PM	24240						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHKD	9:30:00 AM	24241						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHKD	11:30:00 AM	24242						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHKD	1:30:00 PM	24243						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHKD	3:30:00 PM	24244						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHUF	9:30:00 AM	24245						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHUF	11:30:00 AM	24246						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHUF	1:30:00 PM	24247						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADHUF	3:30:00 PM	24248						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY	9:30:00 AM	24249						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY	11:30:00 AM	24250						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY	1:30:00 PM	24251						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY	3:30:00 PM	24252						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY.fx	9:30:00 AM	24253						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	CADJPY.fx	11:30:00 AM	24254						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY.fx	1:30:00 PM	24255						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADJPY.fx	3:30:00 PM	24256						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADMXN	9:30:00 AM	24257						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADMXN	11:30:00 AM	24258						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADMXN	1:30:00 PM	24259						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADMXN	3:30:00 PM	24260						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADNOK	9:30:00 AM	24261						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADNOK	11:30:00 AM	24262						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADNOK	1:30:00 PM	24263						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADNOK	3:30:00 PM	24264						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADPLN	9:30:00 AM	24265						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADPLN	11:30:00 AM	24266						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADPLN	1:30:00 PM	24267						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADPLN	3:30:00 PM	24268						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSEK	9:30:00 AM	24269						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSEK	11:30:00 AM	24270						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSEK	1:30:00 PM	24271						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSEK	3:30:00 PM	24272						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSGD	9:30:00 AM	24273						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSGD	11:30:00 AM	24274						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSGD	1:30:00 PM	24275						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADSGD	3:30:00 PM	24276						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADZAR	9:30:00 AM	24277						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADZAR	11:30:00 AM	24278						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADZAR	1:30:00 PM	24279						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CADZAR	3:30:00 PM	24280						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFCZK	9:30:00 AM	24281						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFCZK	11:30:00 AM	24282						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFCZK	1:30:00 PM	24283						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFCZK	3:30:00 PM	24284						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK	9:30:00 AM	24285						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK	11:30:00 AM	24286						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK	1:30:00 PM	24287						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	CHFDKK	3:30:00 PM	24288						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK.fx	9:30:00 AM	24289						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK.fx	11:30:00 AM	24290						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK.fx	1:30:00 PM	24291						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFDKK.fx	3:30:00 PM	24292						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHKD	9:30:00 AM	24293						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHKD	11:30:00 AM	24294						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHKD	1:30:00 PM	24295						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHKD	3:30:00 PM	24296						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHUF	9:30:00 AM	24297						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHUF	11:30:00 AM	24298						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHUF	1:30:00 PM	24299						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFHUF	3:30:00 PM	24300						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY	9:30:00 AM	24301						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY	11:30:00 AM	24302						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY	1:30:00 PM	24303						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY	3:30:00 PM	24304						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY.fx	9:30:00 AM	24305						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY.fx	11:30:00 AM	24306						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY.fx	1:30:00 PM	24307						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFJPY.fx	3:30:00 PM	24308						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFMXN	9:30:00 AM	24309						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFMXN	11:30:00 AM	24310						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFMXN	1:30:00 PM	24311						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFMXN	3:30:00 PM	24312						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK	9:30:00 AM	24313						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK	11:30:00 AM	24314						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK	1:30:00 PM	24315						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK	3:30:00 PM	24316						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK.fx	9:30:00 AM	24317						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK.fx	11:30:00 AM	24318						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK.fx	1:30:00 PM	24319						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFNOK.fx	3:30:00 PM	24320						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN	9:30:00 AM	24321						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	CHFPLN	11:30:00 AM	24322						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN	1:30:00 PM	24323						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN	3:30:00 PM	24324						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN.fx	9:30:00 AM	24325						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN.fx	11:30:00 AM	24326						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN.fx	1:30:00 PM	24327						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFPLN.fx	3:30:00 PM	24328						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSEK	9:30:00 AM	24329						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSEK	11:30:00 AM	24330						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSEK	1:30:00 PM	24331						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSEK	3:30:00 PM	24332						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD	9:30:00 AM	24333						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD	11:30:00 AM	24334						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD	1:30:00 PM	24335						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD	3:30:00 PM	24336						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD.fx	9:30:00 AM	24337						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD.fx	11:30:00 AM	24338						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD.fx	1:30:00 PM	24339						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFSGD.fx	3:30:00 PM	24340						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFZAR	9:30:00 AM	24341						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFZAR	11:30:00 AM	24342						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFZAR	1:30:00 PM	24343						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CHFZAR	3:30:00 PM	24344						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CZKJPY	9:30:00 AM	24345						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CZKJPY	11:30:00 AM	24346						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CZKJPY	1:30:00 PM	24347						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	CZKJPY	3:30:00 PM	24348						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DAX30.i	9:30:00 AM	24349						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DAX30.i	11:30:00 AM	24350						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DAX30.i	1:30:00 PM	24351						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DAX30.i	3:30:00 PM	24352						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DJ30.i	9:30:00 AM	24353						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DJ30.i	11:30:00 AM	24354						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DJ30.i	1:30:00 PM	24355						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	DJ30.i	3:30:00 PM	24356						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DKKJPY	9:30:00 AM	24357						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DKKJPY	11:30:00 AM	24358						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DKKJPY	1:30:00 PM	24359						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	DKKJPY	3:30:00 PM	24360						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD	9:30:00 AM	24361						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD	11:30:00 AM	24362						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD	1:30:00 PM	24363						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD	3:30:00 PM	24364						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD.fx	9:30:00 AM	24365						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD.fx	11:30:00 AM	24366						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD.fx	1:30:00 PM	24367						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURAUD.fx	3:30:00 PM	24368						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD	9:30:00 AM	24369						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD	11:30:00 AM	24370						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD	1:30:00 PM	24371						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD	3:30:00 PM	24372						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD.fx	9:30:00 AM	24373						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD.fx	11:30:00 AM	24374						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD.fx	1:30:00 PM	24375						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCAD.fx	3:30:00 PM	24376						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF	9:30:00 AM	24377						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF	11:30:00 AM	24378						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF	1:30:00 PM	24379						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF	3:30:00 PM	24380						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF.fx	9:30:00 AM	24381						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF.fx	11:30:00 AM	24382						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF.fx	1:30:00 PM	24383						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCHF.fx	3:30:00 PM	24384						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCZK	9:30:00 AM	24385						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCZK	11:30:00 AM	24386						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCZK	1:30:00 PM	24387						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURCZK	3:30:00 PM	24388						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURDKK	9:30:00 AM	24389						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	EURDKK	11:30:00 AM	24390						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURDKK	1:30:00 PM	24391						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURDKK	3:30:00 PM	24392						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP	9:30:00 AM	24393						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP	11:30:00 AM	24394						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP	1:30:00 PM	24395						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP	3:30:00 PM	24396						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP.fx	9:30:00 AM	24397						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP.fx	11:30:00 AM	24398						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP.fx	1:30:00 PM	24399						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURGBP.fx	3:30:00 PM	24400						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD	9:30:00 AM	24401						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD	11:30:00 AM	24402						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD	1:30:00 PM	24403						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD	3:30:00 PM	24404						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD.fx	9:30:00 AM	24405						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD.fx	11:30:00 AM	24406						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD.fx	1:30:00 PM	24407						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHKD.fx	3:30:00 PM	24408						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF	9:30:00 AM	24409						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF	11:30:00 AM	24410						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF	1:30:00 PM	24411						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF	3:30:00 PM	24412						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF.fx	9:30:00 AM	24413						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF.fx	11:30:00 AM	24414						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF.fx	1:30:00 PM	24415						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURHUF.fx	3:30:00 PM	24416						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY	9:30:00 AM	24417						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY	11:30:00 AM	24418						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY	1:30:00 PM	24419						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY	3:30:00 PM	24420						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY.fx	9:30:00 AM	24421						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY.fx	11:30:00 AM	24422						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURJPY.fx	1:30:00 PM	24423						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	EURJPY.fx	3:30:00 PM	24424						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN	9:30:00 AM	24425						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN	11:30:00 AM	24426						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN	1:30:00 PM	24427						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN	3:30:00 PM	24428						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN.fx	9:30:00 AM	24429						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN.fx	11:30:00 AM	24430						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN.fx	1:30:00 PM	24431						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURMXN.fx	3:30:00 PM	24432						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK	9:30:00 AM	24433						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK	11:30:00 AM	24434						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK	1:30:00 PM	24435						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK	3:30:00 PM	24436						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK.fx	9:30:00 AM	24437						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK.fx	11:30:00 AM	24438						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK.fx	1:30:00 PM	24439						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNOK.fx	3:30:00 PM	24440						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD	9:30:00 AM	24441						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD	11:30:00 AM	24442						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD	1:30:00 PM	24443						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD	3:30:00 PM	24444						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD.fx	9:30:00 AM	24445						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD.fx	11:30:00 AM	24446						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD.fx	1:30:00 PM	24447						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURNZD.fx	3:30:00 PM	24448						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN	9:30:00 AM	24449						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN	11:30:00 AM	24450						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN	1:30:00 PM	24451						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN	3:30:00 PM	24452						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN.fx	9:30:00 AM	24453						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN.fx	11:30:00 AM	24454						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN.fx	1:30:00 PM	24455						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURPLN.fx	3:30:00 PM	24456						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURRUB	9:30:00 AM	24457						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	EURRUB	11:30:00 AM	24458						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURRUB	1:30:00 PM	24459						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURRUB	3:30:00 PM	24460						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK	9:30:00 AM	24461						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK	11:30:00 AM	24462						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK	1:30:00 PM	24463						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK	3:30:00 PM	24464						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK.fx	9:30:00 AM	24465						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK.fx	11:30:00 AM	24466						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK.fx	1:30:00 PM	24467						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSEK.fx	3:30:00 PM	24468						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD	9:30:00 AM	24469						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD	11:30:00 AM	24470						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD	1:30:00 PM	24471						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD	3:30:00 PM	24472						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD.fx	9:30:00 AM	24473						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD.fx	11:30:00 AM	24474						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD.fx	1:30:00 PM	24475						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURSGD.fx	3:30:00 PM	24476						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD	9:30:00 AM	24477						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD	11:30:00 AM	24478						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD	1:30:00 PM	24479						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD	3:30:00 PM	24480						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD.fx	9:30:00 AM	24481						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD.fx	11:30:00 AM	24482						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD.fx	1:30:00 PM	24483						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURUSD.fx	3:30:00 PM	24484						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR	9:30:00 AM	24485						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR	11:30:00 AM	24486						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR	1:30:00 PM	24487						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR	3:30:00 PM	24488						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR.fx	9:30:00 AM	24489						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR.fx	11:30:00 AM	24490						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	EURZAR.fx	1:30:00 PM	24491						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	EURZAR.fx	3:30:00 PM	24492						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD	9:30:00 AM	24493						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD	11:30:00 AM	24494						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD	1:30:00 PM	24495						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD	3:30:00 PM	24496						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD.fx	9:30:00 AM	24497						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD.fx	11:30:00 AM	24498						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD.fx	1:30:00 PM	24499						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPAUD.fx	3:30:00 PM	24500						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD	9:30:00 AM	24501						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD	11:30:00 AM	24502						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD	1:30:00 PM	24503						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD	3:30:00 PM	24504						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD.fx	9:30:00 AM	24505						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD.fx	11:30:00 AM	24506						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD.fx	1:30:00 PM	24507						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCAD.fx	3:30:00 PM	24508						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF	9:30:00 AM	24509						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF	11:30:00 AM	24510						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF	1:30:00 PM	24511						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF	3:30:00 PM	24512						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF.fx	9:30:00 AM	24513						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF.fx	11:30:00 AM	24514						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF.fx	1:30:00 PM	24515						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCHF.fx	3:30:00 PM	24516						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCZK	9:30:00 AM	24517						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCZK	11:30:00 AM	24518						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCZK	1:30:00 PM	24519						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPCZK	3:30:00 PM	24520						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK	9:30:00 AM	24521						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK	11:30:00 AM	24522						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK	1:30:00 PM	24523						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK	3:30:00 PM	24524						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK.fx	9:30:00 AM	24525						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	GBPDKK.fx	11:30:00 AM	24526						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK.fx	1:30:00 PM	24527						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPDKK.fx	3:30:00 PM	24528						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHKD	9:30:00 AM	24529						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHKD	11:30:00 AM	24530						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHKD	1:30:00 PM	24531						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHKD	3:30:00 PM	24532						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHUF	9:30:00 AM	24533						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHUF	11:30:00 AM	24534						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHUF	1:30:00 PM	24535						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPHUF	3:30:00 PM	24536						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY	9:30:00 AM	24537						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY	11:30:00 AM	24538						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY	1:30:00 PM	24539						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY	3:30:00 PM	24540						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY.fx	9:30:00 AM	24541						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY.fx	11:30:00 AM	24542						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY.fx	1:30:00 PM	24543						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPJPY.fx	3:30:00 PM	24544						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPMXN	9:30:00 AM	24545						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPMXN	11:30:00 AM	24546						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPMXN	1:30:00 PM	24547						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPMXN	3:30:00 PM	24548						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK	9:30:00 AM	24549						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK	11:30:00 AM	24550						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK	1:30:00 PM	24551						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK	3:30:00 PM	24552						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK.fx	9:30:00 AM	24553						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK.fx	11:30:00 AM	24554						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK.fx	1:30:00 PM	24555						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNOK.fx	3:30:00 PM	24556						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD	9:30:00 AM	24557						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD	11:30:00 AM	24558						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD	1:30:00 PM	24559						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	GBPNZD	3:30:00 PM	24560						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD.fx	9:30:00 AM	24561						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD.fx	11:30:00 AM	24562						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD.fx	1:30:00 PM	24563						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPNZD.fx	3:30:00 PM	24564						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN	9:30:00 AM	24565						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN	11:30:00 AM	24566						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN	1:30:00 PM	24567						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN	3:30:00 PM	24568						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN.fx	9:30:00 AM	24569						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN.fx	11:30:00 AM	24570						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN.fx	1:30:00 PM	24571						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPPLN.fx	3:30:00 PM	24572						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK	9:30:00 AM	24573						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK	11:30:00 AM	24574						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK	1:30:00 PM	24575						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK	3:30:00 PM	24576						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK.fx	9:30:00 AM	24577						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK.fx	11:30:00 AM	24578						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK.fx	1:30:00 PM	24579						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSEK.fx	3:30:00 PM	24580						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD	9:30:00 AM	24581						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD	11:30:00 AM	24582						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD	1:30:00 PM	24583						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD	3:30:00 PM	24584						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD.fx	9:30:00 AM	24585						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD.fx	11:30:00 AM	24586						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD.fx	1:30:00 PM	24587						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPSGD.fx	3:30:00 PM	24588						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD	9:30:00 AM	24589						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD	11:30:00 AM	24590						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD	1:30:00 PM	24591						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD	3:30:00 PM	24592						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD.fx	9:30:00 AM	24593						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	GBPUSD.fx	11:30:00 AM	24594						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD.fx	1:30:00 PM	24595						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPUSD.fx	3:30:00 PM	24596						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR	9:30:00 AM	24597						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR	11:30:00 AM	24598						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR	1:30:00 PM	24599						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR	3:30:00 PM	24600						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR.fx	9:30:00 AM	24601						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR.fx	11:30:00 AM	24602						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR.fx	1:30:00 PM	24603						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GBPZAR.fx	3:30:00 PM	24604						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GOLD	9:30:00 AM	24605						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GOLD	11:30:00 AM	24606						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GOLD	1:30:00 PM	24607						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	GOLD	3:30:00 PM	24608						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY	9:30:00 AM	24609						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY	11:30:00 AM	24610						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY	1:30:00 PM	24611						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY	3:30:00 PM	24612						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY.fx	9:30:00 AM	24613						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY.fx	11:30:00 AM	24614						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY.fx	1:30:00 PM	24615						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HKDJPY.fx	3:30:00 PM	24616						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HUFJPY	9:30:00 AM	24617						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HUFJPY	11:30:00 AM	24618						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HUFJPY	1:30:00 PM	24619						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	HUFJPY	3:30:00 PM	24620						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JP225.i	9:30:00 AM	24621						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JP225.i	11:30:00 AM	24622						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JP225.i	1:30:00 PM	24623						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JP225.i	3:30:00 PM	24624						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	MXNJPY	9:30:00 AM	24625						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	MXNJPY	11:30:00 AM	24626						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	MXNJPY	1:30:00 PM	24627						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	MXNJPY	3:30:00 PM	24628						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NASDAQ.i	9:30:00 AM	24629						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NASDAQ.i	11:30:00 AM	24630						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NASDAQ.i	1:30:00 PM	24631						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NASDAQ.i	3:30:00 PM	24632						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY	9:30:00 AM	24633						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY	11:30:00 AM	24634						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY	1:30:00 PM	24635						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY	3:30:00 PM	24636						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY.fx	9:30:00 AM	24637						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY.fx	11:30:00 AM	24638						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY.fx	1:30:00 PM	24639						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NOKJPY.fx	3:30:00 PM	24640						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD	9:30:00 AM	24641						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD	11:30:00 AM	24642						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD	1:30:00 PM	24643						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD	3:30:00 PM	24644						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD.fx	9:30:00 AM	24645						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD.fx	11:30:00 AM	24646						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD.fx	1:30:00 PM	24647						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCAD.fx	3:30:00 PM	24648						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF	9:30:00 AM	24649						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF	11:30:00 AM	24650						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF	1:30:00 PM	24651						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF	3:30:00 PM	24652						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF.fx	9:30:00 AM	24653						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF.fx	11:30:00 AM	24654						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF.fx	1:30:00 PM	24655						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCHF.fx	3:30:00 PM	24656						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCZK	9:30:00 AM	24657						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCZK	11:30:00 AM	24658						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCZK	1:30:00 PM	24659						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDCZK	3:30:00 PM	24660						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDDKK	9:30:00 AM	24661						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	NZDDKK	11:30:00 AM	24662						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDDKK	1:30:00 PM	24663						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDDKK	3:30:00 PM	24664						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHKD	9:30:00 AM	24665						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHKD	11:30:00 AM	24666						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHKD	1:30:00 PM	24667						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHKD	3:30:00 PM	24668						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHUF	9:30:00 AM	24669						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHUF	11:30:00 AM	24670						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHUF	1:30:00 PM	24671						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDHUF	3:30:00 PM	24672						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY	9:30:00 AM	24673						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY	11:30:00 AM	24674						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY	1:30:00 PM	24675						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY	3:30:00 PM	24676						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY.fx	9:30:00 AM	24677						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY.fx	11:30:00 AM	24678						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY.fx	1:30:00 PM	24679						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDJPY.fx	3:30:00 PM	24680						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDMXN	9:30:00 AM	24681						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDMXN	11:30:00 AM	24682						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDMXN	1:30:00 PM	24683						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDMXN	3:30:00 PM	24684						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDNOK	9:30:00 AM	24685						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDNOK	11:30:00 AM	24686						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDNOK	1:30:00 PM	24687						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDNOK	3:30:00 PM	24688						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDPLN	9:30:00 AM	24689						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDPLN	11:30:00 AM	24690						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDPLN	1:30:00 PM	24691						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDPLN	3:30:00 PM	24692						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSEK	9:30:00 AM	24693						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSEK	11:30:00 AM	24694						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSEK	1:30:00 PM	24695						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	NZDSEK	3:30:00 PM	24696						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD	9:30:00 AM	24697						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD	11:30:00 AM	24698						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD	1:30:00 PM	24699						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD	3:30:00 PM	24700						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD.fx	9:30:00 AM	24701						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD.fx	11:30:00 AM	24702						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD.fx	1:30:00 PM	24703						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDSGD.fx	3:30:00 PM	24704						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD	9:30:00 AM	24705						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD	11:30:00 AM	24706						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD	1:30:00 PM	24707						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD	3:30:00 PM	24708						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD.fx	9:30:00 AM	24709						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD.fx	11:30:00 AM	24710						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD.fx	1:30:00 PM	24711						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDUSD.fx	3:30:00 PM	24712						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDZAR	9:30:00 AM	24713						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDZAR	11:30:00 AM	24714						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDZAR	1:30:00 PM	24715						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	NZDZAR	3:30:00 PM	24716						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY	9:30:00 AM	24717						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY	11:30:00 AM	24718						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY	1:30:00 PM	24719						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY	3:30:00 PM	24720						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY.fx	9:30:00 AM	24721						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY.fx	11:30:00 AM	24722						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY.fx	1:30:00 PM	24723						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SEKJPY.fx	3:30:00 PM	24724						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SGDJPY	9:30:00 AM	24725						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SGDJPY	11:30:00 AM	24726						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SGDJPY	1:30:00 PM	24727						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SGDJPY	3:30:00 PM	24728						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SILVER	9:30:00 AM	24729						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	SILVER	11:30:00 AM	24730						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SILVER	1:30:00 PM	24731						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SILVER	3:30:00 PM	24732						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SPX500.i	9:30:00 AM	24733						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SPX500.i	11:30:00 AM	24734						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SPX500.i	1:30:00 PM	24735						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	SPX500.i	3:30:00 PM	24736						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	UK100.i	9:30:00 AM	24737						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	UK100.i	11:30:00 AM	24738						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	UK100.i	1:30:00 PM	24739						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	UK100.i	3:30:00 PM	24740						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD	9:30:00 AM	24741						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD	11:30:00 AM	24742						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD	1:30:00 PM	24743						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD	3:30:00 PM	24744						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD.fx	9:30:00 AM	24745						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD.fx	11:30:00 AM	24746						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD.fx	1:30:00 PM	24747						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCAD.fx	3:30:00 PM	24748						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF	9:30:00 AM	24749						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF	11:30:00 AM	24750						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF	1:30:00 PM	24751						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF	3:30:00 PM	24752						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF.fx	9:30:00 AM	24753						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF.fx	11:30:00 AM	24754						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF.fx	1:30:00 PM	24755						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCHF.fx	3:30:00 PM	24756						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK	9:30:00 AM	24757						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK	11:30:00 AM	24758						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK	1:30:00 PM	24759						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK	3:30:00 PM	24760						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK.fx	9:30:00 AM	24761						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK.fx	11:30:00 AM	24762						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDCZK.fx	1:30:00 PM	24763						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	USDCZK.fx	3:30:00 PM	24764						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK	9:30:00 AM	24765						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK	11:30:00 AM	24766						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK	1:30:00 PM	24767						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK	3:30:00 PM	24768						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK.fx	9:30:00 AM	24769						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK.fx	11:30:00 AM	24770						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK.fx	1:30:00 PM	24771						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDDKK.fx	3:30:00 PM	24772						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD	9:30:00 AM	24773						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD	11:30:00 AM	24774						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD	1:30:00 PM	24775						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD	3:30:00 PM	24776						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD.fx	9:30:00 AM	24777						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD.fx	11:30:00 AM	24778						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD.fx	1:30:00 PM	24779						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHKD.fx	3:30:00 PM	24780						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF	9:30:00 AM	24781						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF	11:30:00 AM	24782						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF	1:30:00 PM	24783						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF	3:30:00 PM	24784						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF.fx	9:30:00 AM	24785						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF.fx	11:30:00 AM	24786						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF.fx	1:30:00 PM	24787						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDHUF.fx	3:30:00 PM	24788						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDINR	9:30:00 AM	24789						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDINR	11:30:00 AM	24790						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDINR	1:30:00 PM	24791						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDINR	3:30:00 PM	24792						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY	9:30:00 AM	24793						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY	11:30:00 AM	24794						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY	1:30:00 PM	24795						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY	3:30:00 PM	24796						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY.fx	9:30:00 AM	24797						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	USDJPY.fx	11:30:00 AM	24798						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY.fx	1:30:00 PM	24799						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDJPY.fx	3:30:00 PM	24800						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDMXN	9:30:00 AM	24801						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDMXN	11:30:00 AM	24802						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDMXN	1:30:00 PM	24803						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDMXN	3:30:00 PM	24804						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JSDMXN.fx	9:30:00 AM	24805						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JSDMXN.fx	11:30:00 AM	24806						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JSDMXN.fx	1:30:00 PM	24807						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	JSDMXN.fx	3:30:00 PM	24808						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK	9:30:00 AM	24809						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK	11:30:00 AM	24810						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK	1:30:00 PM	24811						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK	3:30:00 PM	24812						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK.fx	9:30:00 AM	24813						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK.fx	11:30:00 AM	24814						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK.fx	1:30:00 PM	24815						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDNOK.fx	3:30:00 PM	24816						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN	9:30:00 AM	24817						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN	11:30:00 AM	24818						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN	1:30:00 PM	24819						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN	3:30:00 PM	24820						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN.fx	9:30:00 AM	24821						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN.fx	11:30:00 AM	24822						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN.fx	1:30:00 PM	24823						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDPLN.fx	3:30:00 PM	24824						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDRUB	9:30:00 AM	24825						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDRUB	11:30:00 AM	24826						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDRUB	1:30:00 PM	24827						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDRUB	3:30:00 PM	24828						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK	9:30:00 AM	24829						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK	11:30:00 AM	24830						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK	1:30:00 PM	24831						Continuous Quote	N/A	ELECTRONIC	N/A

10/21/2019	USDSEK	3:30:00 PM	24832						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK.fx	9:30:00 AM	24833						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK.fx	11:30:00 AM	24834						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK.fx	1:30:00 PM	24835						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSEK.fx	3:30:00 PM	24836						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD	9:30:00 AM	24837						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD	11:30:00 AM	24838						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD	1:30:00 PM	24839						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD	3:30:00 PM	24840						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD.fx	9:30:00 AM	24841						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD.fx	11:30:00 AM	24842						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD.fx	1:30:00 PM	24843						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDSGD.fx	3:30:00 PM	24844						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR	9:30:00 AM	24845						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR	11:30:00 AM	24846						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR	1:30:00 PM	24847						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR	3:30:00 PM	24848						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR.fx	9:30:00 AM	24849						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR.fx	11:30:00 AM	24850						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR.fx	1:30:00 PM	24851						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	USDZAR.fx	3:30:00 PM	24852						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	XAUUSD	9:30:00 AM	24853						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	XAUUSD	11:30:00 AM	24854						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	XAUUSD	1:30:00 PM	24855						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	XAUUSD	3:30:00 PM	24856						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY	9:30:00 AM	24857						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY	11:30:00 AM	24858						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY	1:30:00 PM	24859						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY	3:30:00 PM	24860						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY.fx	9:30:00 AM	24861						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY.fx	11:30:00 AM	24862						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY.fx	1:30:00 PM	24863						Continuous Quote	N/A	ELECTRONIC	N/A
10/21/2019	ZARJPY.fx	3:30:00 PM	24864						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AA	9:30:00 AM	24865						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	#AA	11:30:00 AM	24866						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AA	1:30:00 PM	24867						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AA	3:30:00 PM	24868						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#AABA	11:30:00 AM	24870						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AABA	1:30:00 PM	24871						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AABA	3:30:00 PM	24872						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#AAL	11:30:00 AM	24874						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAL	1:30:00 PM	24875						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAL	3:30:00 PM	24876						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAPL	9:30:00 AM	24877						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAPL	11:30:00 AM	24878						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAPL	1:30:00 PM	24879						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AAPL	3:30:00 PM	24880						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#ADBE	9:30:00 AM	24881						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#ADBE	11:30:00 AM	24882						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#ADBE	1:30:00 PM	24883						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#ADBE	3:30:00 PM	24884						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AIG	9:30:00 AM	24885						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AIG	11:30:00 AM	24886						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AIG	1:30:00 PM	24887						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AIG	3:30:00 PM	24888						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMD	9:30:00 AM	24889						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMD	11:30:00 AM	24890						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMD	1:30:00 PM	24891						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMD	3:30:00 PM	24892						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMZN	9:30:00 AM	24893						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMZN	11:30:00 AM	24894						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMZN	1:30:00 PM	24895						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AMZN	3:30:00 PM	24896						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AXP	9:30:00 AM	24897						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AXP	11:30:00 AM	24898						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#AXP	1:30:00 PM	24899						Continuous Quote	N/A	ELECTRONIC	N/A

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10/22/2019	#BA	1:30:00 PM	24903						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BA	3:30:00 PM	24904						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#BABA	1:30:00 PM	24907						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BABA	3:30:00 PM	24908						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BAC	9:30:00 AM	24909						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BAC	11:30:00 AM	24910						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BAC	1:30:00 PM	24911						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BAC	3:30:00 PM	24912						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BARC	9:30:00 AM	24913						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BARC	11:30:00 AM	24914						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BARC	1:30:00 PM	24915						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BARC	3:30:00 PM	24916						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BHP	9:30:00 AM	24917						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BHP	11:30:00 AM	24918						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BHP	1:30:00 PM	24919						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BHP	3:30:00 PM	24920						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BIDU	9:30:00 AM	24921						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#BIDU	1:30:00 PM	24923						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BIDU	3:30:00 PM	24924						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#Bitcoin	9:30:00 AM	24925						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#Bitcoin	11:30:00 AM	24926						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#Bitcoin	3:30:00 PM	24928						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BK	9:30:00 AM	24929						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BK	11:30:00 AM	24930						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BK	1:30:00 PM	24931						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BK	3:30:00 PM	24932						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BLT	9:30:00 AM	24933						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	#BLT	11:30:00 AM	24934						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BLT	1:30:00 PM	24935						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BLT	3:30:00 PM	24936						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BP	9:30:00 AM	24937						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#BP	11:30:00 AM	24938						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#BP	3:30:00 PM	24940						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#BTA	3:30:00 PM	24944						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#CHL	3:30:00 PM	24956						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CL.f	9:30:00 AM	24957						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CL.f	11:30:00 AM	24958						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CL.f	1:30:00 PM	24959						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CL.f	3:30:00 PM	24960						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CMCSA	9:30:00 AM	24961						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#CMCSA	1:30:00 PM	24963						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CMCSA	3:30:00 PM	24964						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CSCO	9:30:00 AM	24965						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CSCO	11:30:00 AM	24966						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#CSCO	1:30:00 PM	24967						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	#CSCO	3:30:00 PM	24968						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#CVX	3:30:00 PM	24972						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#EBAY	3:30:00 PM	24988						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#Ethereum	9:30:00 AM	24989						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#F	9:30:00 AM	24993						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#FB	9:30:00 AM	24997						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#FB	11:30:00 AM	24998						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#FCX	3:30:00 PM	25004						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#SNE	1:30:00 PM	25223						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#SNE	3:30:00 PM	25224						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#SPY	11:30:00 AM	25226						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#SPY	3:30:00 PM	25228						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#TEVA	9:30:00 AM	25233						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#TRV	3:30:00 PM	25244						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#UPS	1:30:00 PM	25267						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#VOD	1:30:00 PM	25279						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	#VOD	3:30:00 PM	25280						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	#WFC	3:30:00 PM	25292						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	BCHUSD	3:30:00 PM	25408						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF	9:30:00 AM	25409						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	CADCHF	11:30:00 AM	25410						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF	1:30:00 PM	25411						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF	3:30:00 PM	25412						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF.fx	9:30:00 AM	25413						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF.fx	11:30:00 AM	25414						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF.fx	1:30:00 PM	25415						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCHF.fx	3:30:00 PM	25416						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCZK	9:30:00 AM	25417						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCZK	11:30:00 AM	25418						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCZK	1:30:00 PM	25419						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADCZK	3:30:00 PM	25420						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADDDKK	9:30:00 AM	25421						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADDDKK	11:30:00 AM	25422						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADDDKK	1:30:00 PM	25423						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADDDKK	3:30:00 PM	25424						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHKD	9:30:00 AM	25425						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHKD	11:30:00 AM	25426						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHKD	1:30:00 PM	25427						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHKD	3:30:00 PM	25428						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHUF	9:30:00 AM	25429						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHUF	11:30:00 AM	25430						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHUF	1:30:00 PM	25431						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADHUF	3:30:00 PM	25432						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY	9:30:00 AM	25433						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY	11:30:00 AM	25434						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY	1:30:00 PM	25435						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY	3:30:00 PM	25436						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY.fx	9:30:00 AM	25437						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY.fx	11:30:00 AM	25438						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY.fx	1:30:00 PM	25439						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADJPY.fx	3:30:00 PM	25440						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADMXN	9:30:00 AM	25441						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADMXN	11:30:00 AM	25442						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADMXN	1:30:00 PM	25443						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	CADMN	3:30:00 PM	25444						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADNOK	9:30:00 AM	25445						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADNOK	11:30:00 AM	25446						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADNOK	1:30:00 PM	25447						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADNOK	3:30:00 PM	25448						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADPLN	9:30:00 AM	25449						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADPLN	11:30:00 AM	25450						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADPLN	1:30:00 PM	25451						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADPLN	3:30:00 PM	25452						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSEK	9:30:00 AM	25453						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSEK	11:30:00 AM	25454						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSEK	1:30:00 PM	25455						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSEK	3:30:00 PM	25456						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSGD	9:30:00 AM	25457						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSGD	11:30:00 AM	25458						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSGD	1:30:00 PM	25459						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADSGD	3:30:00 PM	25460						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADZAR	9:30:00 AM	25461						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADZAR	11:30:00 AM	25462						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADZAR	1:30:00 PM	25463						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CADZAR	3:30:00 PM	25464						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFCZK	9:30:00 AM	25465						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFCZK	11:30:00 AM	25466						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFCZK	1:30:00 PM	25467						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFCZK	3:30:00 PM	25468						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK	9:30:00 AM	25469						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK	11:30:00 AM	25470						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK	1:30:00 PM	25471						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK	3:30:00 PM	25472						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK.fx	9:30:00 AM	25473						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK.fx	11:30:00 AM	25474						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK.fx	1:30:00 PM	25475						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFDKK.fx	3:30:00 PM	25476						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHKD	9:30:00 AM	25477						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	CHFHKD	11:30:00 AM	25478						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHKD	1:30:00 PM	25479						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHKD	3:30:00 PM	25480						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHUF	9:30:00 AM	25481						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHUF	11:30:00 AM	25482						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHUF	1:30:00 PM	25483						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFHUF	3:30:00 PM	25484						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY	9:30:00 AM	25485						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY	11:30:00 AM	25486						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY	1:30:00 PM	25487						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY	3:30:00 PM	25488						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY.fx	9:30:00 AM	25489						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY.fx	11:30:00 AM	25490						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY.fx	1:30:00 PM	25491						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFJPY.fx	3:30:00 PM	25492						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFMXN	9:30:00 AM	25493						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFMXN	11:30:00 AM	25494						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFMXN	1:30:00 PM	25495						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFMXN	3:30:00 PM	25496						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK	9:30:00 AM	25497						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK	11:30:00 AM	25498						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK	1:30:00 PM	25499						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK	3:30:00 PM	25500						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK.fx	9:30:00 AM	25501						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK.fx	11:30:00 AM	25502						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK.fx	1:30:00 PM	25503						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFNOK.fx	3:30:00 PM	25504						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN	9:30:00 AM	25505						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN	11:30:00 AM	25506						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN	1:30:00 PM	25507						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN	3:30:00 PM	25508						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN.fx	9:30:00 AM	25509						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN.fx	11:30:00 AM	25510						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFPLN.fx	1:30:00 PM	25511						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	CHFPLN.fx	3:30:00 PM	25512						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSEK	9:30:00 AM	25513						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSEK	11:30:00 AM	25514						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSEK	1:30:00 PM	25515						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSEK	3:30:00 PM	25516						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD	9:30:00 AM	25517						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD	11:30:00 AM	25518						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD	1:30:00 PM	25519						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD	3:30:00 PM	25520						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD.fx	9:30:00 AM	25521						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD.fx	11:30:00 AM	25522						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD.fx	1:30:00 PM	25523						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFSGD.fx	3:30:00 PM	25524						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFZAR	9:30:00 AM	25525						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFZAR	11:30:00 AM	25526						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFZAR	1:30:00 PM	25527						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CHFZAR	3:30:00 PM	25528						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CZKJPY	9:30:00 AM	25529						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CZKJPY	11:30:00 AM	25530						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CZKJPY	1:30:00 PM	25531						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	CZKJPY	3:30:00 PM	25532						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DAX30.i	9:30:00 AM	25533						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DAX30.i	11:30:00 AM	25534						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DAX30.i	1:30:00 PM	25535						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DAX30.i	3:30:00 PM	25536						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DJ30.i	9:30:00 AM	25537						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DJ30.i	11:30:00 AM	25538						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DJ30.i	1:30:00 PM	25539						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DJ30.i	3:30:00 PM	25540						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DKKJPY	9:30:00 AM	25541						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DKKJPY	11:30:00 AM	25542						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DKKJPY	1:30:00 PM	25543						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	DKKJPY	3:30:00 PM	25544						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD	9:30:00 AM	25545						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	EURAUD	11:30:00 AM	25546						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD	1:30:00 PM	25547						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD	3:30:00 PM	25548						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD.fx	9:30:00 AM	25549						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD.fx	11:30:00 AM	25550						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD.fx	1:30:00 PM	25551						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURAUD.fx	3:30:00 PM	25552						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD	9:30:00 AM	25553						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD	11:30:00 AM	25554						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD	1:30:00 PM	25555						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD	3:30:00 PM	25556						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD.fx	9:30:00 AM	25557						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD.fx	11:30:00 AM	25558						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD.fx	1:30:00 PM	25559						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCAD.fx	3:30:00 PM	25560						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF	9:30:00 AM	25561						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF	11:30:00 AM	25562						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF	1:30:00 PM	25563						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF	3:30:00 PM	25564						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF.fx	9:30:00 AM	25565						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF.fx	11:30:00 AM	25566						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF.fx	1:30:00 PM	25567						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCHF.fx	3:30:00 PM	25568						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCZK	9:30:00 AM	25569						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCZK	11:30:00 AM	25570						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCZK	1:30:00 PM	25571						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURCZK	3:30:00 PM	25572						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURDKK	9:30:00 AM	25573						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURDKK	11:30:00 AM	25574						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURDKK	1:30:00 PM	25575						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURDKK	3:30:00 PM	25576						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP	9:30:00 AM	25577						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP	11:30:00 AM	25578						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP	1:30:00 PM	25579						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	EURGBP	3:30:00 PM	25580						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP.fx	9:30:00 AM	25581						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP.fx	11:30:00 AM	25582						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP.fx	1:30:00 PM	25583						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURGBP.fx	3:30:00 PM	25584						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD	9:30:00 AM	25585						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD	11:30:00 AM	25586						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD	1:30:00 PM	25587						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD	3:30:00 PM	25588						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD.fx	9:30:00 AM	25589						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD.fx	11:30:00 AM	25590						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD.fx	1:30:00 PM	25591						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHKD.fx	3:30:00 PM	25592						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF	9:30:00 AM	25593						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF	11:30:00 AM	25594						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF	1:30:00 PM	25595						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF	3:30:00 PM	25596						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF.fx	9:30:00 AM	25597						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF.fx	11:30:00 AM	25598						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF.fx	1:30:00 PM	25599						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURHUF.fx	3:30:00 PM	25600						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY	9:30:00 AM	25601						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY	11:30:00 AM	25602						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY	1:30:00 PM	25603						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY	3:30:00 PM	25604						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY.fx	9:30:00 AM	25605						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY.fx	11:30:00 AM	25606						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY.fx	1:30:00 PM	25607						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURJPY.fx	3:30:00 PM	25608						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN	9:30:00 AM	25609						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN	11:30:00 AM	25610						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN	1:30:00 PM	25611						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN	3:30:00 PM	25612						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN.fx	9:30:00 AM	25613						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	EURMXN.fx	11:30:00 AM	25614						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN.fx	1:30:00 PM	25615						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURMXN.fx	3:30:00 PM	25616						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK	9:30:00 AM	25617						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK	11:30:00 AM	25618						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK	1:30:00 PM	25619						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK	3:30:00 PM	25620						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK.fx	9:30:00 AM	25621						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK.fx	11:30:00 AM	25622						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK.fx	1:30:00 PM	25623						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNOK.fx	3:30:00 PM	25624						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD	9:30:00 AM	25625						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD	11:30:00 AM	25626						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD	1:30:00 PM	25627						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD	3:30:00 PM	25628						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD.fx	9:30:00 AM	25629						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD.fx	11:30:00 AM	25630						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD.fx	1:30:00 PM	25631						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURNZD.fx	3:30:00 PM	25632						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN	9:30:00 AM	25633						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN	11:30:00 AM	25634						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN	1:30:00 PM	25635						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN	3:30:00 PM	25636						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN.fx	9:30:00 AM	25637						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN.fx	11:30:00 AM	25638						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN.fx	1:30:00 PM	25639						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURPLN.fx	3:30:00 PM	25640						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURRUB	9:30:00 AM	25641						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURRUB	11:30:00 AM	25642						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURRUB	1:30:00 PM	25643						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURRUB	3:30:00 PM	25644						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSEK	9:30:00 AM	25645						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSEK	11:30:00 AM	25646						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSEK	1:30:00 PM	25647						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	EURSEK	3:30:00 PM	25648						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	EURSEK.fx	11:30:00 AM	25650						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSEK.fx	1:30:00 PM	25651						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSEK.fx	3:30:00 PM	25652						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD	9:30:00 AM	25653						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD	11:30:00 AM	25654						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD	1:30:00 PM	25655						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD	3:30:00 PM	25656						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD.fx	9:30:00 AM	25657						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD.fx	11:30:00 AM	25658						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD.fx	1:30:00 PM	25659						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURSGD.fx	3:30:00 PM	25660						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD	9:30:00 AM	25661						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD	11:30:00 AM	25662						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD	1:30:00 PM	25663						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD	3:30:00 PM	25664						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD.fx	9:30:00 AM	25665						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD.fx	11:30:00 AM	25666						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD.fx	1:30:00 PM	25667						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURUSD.fx	3:30:00 PM	25668						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR	9:30:00 AM	25669						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR	11:30:00 AM	25670						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR	1:30:00 PM	25671						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR	3:30:00 PM	25672						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR.fx	9:30:00 AM	25673						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR.fx	11:30:00 AM	25674						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR.fx	1:30:00 PM	25675						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	EURZAR.fx	3:30:00 PM	25676						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD	9:30:00 AM	25677						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD	11:30:00 AM	25678						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD	1:30:00 PM	25679						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD	3:30:00 PM	25680						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD.fx	9:30:00 AM	25681						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	GBPAUD.fx	11:30:00 AM	25682						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD.fx	1:30:00 PM	25683						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPAUD.fx	3:30:00 PM	25684						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD	9:30:00 AM	25685						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD	11:30:00 AM	25686						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD	1:30:00 PM	25687						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD	3:30:00 PM	25688						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD.fx	9:30:00 AM	25689						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD.fx	11:30:00 AM	25690						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD.fx	1:30:00 PM	25691						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCAD.fx	3:30:00 PM	25692						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF	9:30:00 AM	25693						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF	11:30:00 AM	25694						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF	1:30:00 PM	25695						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF	3:30:00 PM	25696						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF.fx	9:30:00 AM	25697						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF.fx	11:30:00 AM	25698						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF.fx	1:30:00 PM	25699						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCHF.fx	3:30:00 PM	25700						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCZK	9:30:00 AM	25701						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCZK	11:30:00 AM	25702						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCZK	1:30:00 PM	25703						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPCZK	3:30:00 PM	25704						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK	9:30:00 AM	25705						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK	11:30:00 AM	25706						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK	1:30:00 PM	25707						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK	3:30:00 PM	25708						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK.fx	9:30:00 AM	25709						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK.fx	11:30:00 AM	25710						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK.fx	1:30:00 PM	25711						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPDKK.fx	3:30:00 PM	25712						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHKD	9:30:00 AM	25713						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHKD	11:30:00 AM	25714						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHKD	1:30:00 PM	25715						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	GBPHKD	3:30:00 PM	25716						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHUF	9:30:00 AM	25717						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHUF	11:30:00 AM	25718						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHUF	1:30:00 PM	25719						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPHUF	3:30:00 PM	25720						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY	9:30:00 AM	25721						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY	11:30:00 AM	25722						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY	1:30:00 PM	25723						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY	3:30:00 PM	25724						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY.fx	9:30:00 AM	25725						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY.fx	11:30:00 AM	25726						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY.fx	1:30:00 PM	25727						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPJPY.fx	3:30:00 PM	25728						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPMXN	9:30:00 AM	25729						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPMXN	11:30:00 AM	25730						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPMXN	1:30:00 PM	25731						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPMXN	3:30:00 PM	25732						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK	9:30:00 AM	25733						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK	11:30:00 AM	25734						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK	1:30:00 PM	25735						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK	3:30:00 PM	25736						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK.fx	9:30:00 AM	25737						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK.fx	11:30:00 AM	25738						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK.fx	1:30:00 PM	25739						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNOK.fx	3:30:00 PM	25740						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD	9:30:00 AM	25741						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD	11:30:00 AM	25742						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD	1:30:00 PM	25743						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD	3:30:00 PM	25744						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	GBPNZD.fx	11:30:00 AM	25746						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD.fx	1:30:00 PM	25747						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPNZD.fx	3:30:00 PM	25748						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPPLN	9:30:00 AM	25749						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	GBPPLN	11:30:00 AM	25750						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	GBPPLN	3:30:00 PM	25752						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPPLN.fx	9:30:00 AM	25753						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	GBPPLN.fx	3:30:00 PM	25756						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK	9:30:00 AM	25757						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK	11:30:00 AM	25758						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK	1:30:00 PM	25759						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK	3:30:00 PM	25760						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK.fx	9:30:00 AM	25761						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK.fx	11:30:00 AM	25762						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK.fx	1:30:00 PM	25763						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSEK.fx	3:30:00 PM	25764						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD	9:30:00 AM	25765						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD	11:30:00 AM	25766						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD	1:30:00 PM	25767						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD	3:30:00 PM	25768						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD.fx	9:30:00 AM	25769						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD.fx	11:30:00 AM	25770						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD.fx	1:30:00 PM	25771						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPSGD.fx	3:30:00 PM	25772						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD	9:30:00 AM	25773						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD	11:30:00 AM	25774						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD	1:30:00 PM	25775						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD	3:30:00 PM	25776						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD.fx	9:30:00 AM	25777						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD.fx	11:30:00 AM	25778						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD.fx	1:30:00 PM	25779						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPUSD.fx	3:30:00 PM	25780						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPZAR	9:30:00 AM	25781						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPZAR	11:30:00 AM	25782						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPZAR	1:30:00 PM	25783						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	GBPZAR	3:30:00 PM	25784						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPZAR.fx	9:30:00 AM	25785						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GBPZAR.fx	11:30:00 AM	25786						Continuous Quote	N/A	ELECTRONIC	N/A
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10/22/2019	GBPZAR.fx	3:30:00 PM	25788						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GOLD	9:30:00 AM	25789						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GOLD	11:30:00 AM	25790						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GOLD	1:30:00 PM	25791						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	GOLD	3:30:00 PM	25792						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY	9:30:00 AM	25793						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY	11:30:00 AM	25794						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY	1:30:00 PM	25795						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY	3:30:00 PM	25796						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY.fx	9:30:00 AM	25797						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY.fx	11:30:00 AM	25798						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY.fx	1:30:00 PM	25799						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HKDJPY.fx	3:30:00 PM	25800						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HUFJPY	9:30:00 AM	25801						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HUFJPY	11:30:00 AM	25802						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HUFJPY	1:30:00 PM	25803						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	HUFJPY	3:30:00 PM	25804						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	JP225.i	9:30:00 AM	25805						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	JP225.i	11:30:00 AM	25806						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	JP225.i	1:30:00 PM	25807						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	JP225.i	3:30:00 PM	25808						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	MXNJPY	9:30:00 AM	25809						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	MXNJPY	11:30:00 AM	25810						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	MXNJPY	1:30:00 PM	25811						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	MXNJPY	3:30:00 PM	25812						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NASDAQ.i	9:30:00 AM	25813						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NASDAQ.i	11:30:00 AM	25814						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NASDAQ.i	1:30:00 PM	25815						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NASDAQ.i	3:30:00 PM	25816						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY	9:30:00 AM	25817						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	NOKJPY	11:30:00 AM	25818						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY	1:30:00 PM	25819						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY	3:30:00 PM	25820						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY.fx	9:30:00 AM	25821						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY.fx	11:30:00 AM	25822						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY.fx	1:30:00 PM	25823						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NOKJPY.fx	3:30:00 PM	25824						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD	9:30:00 AM	25825						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD	11:30:00 AM	25826						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD	1:30:00 PM	25827						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD	3:30:00 PM	25828						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD.fx	9:30:00 AM	25829						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD.fx	11:30:00 AM	25830						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD.fx	1:30:00 PM	25831						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCAD.fx	3:30:00 PM	25832						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF	9:30:00 AM	25833						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF	11:30:00 AM	25834						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF	1:30:00 PM	25835						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF	3:30:00 PM	25836						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF.fx	9:30:00 AM	25837						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF.fx	11:30:00 AM	25838						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF.fx	1:30:00 PM	25839						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCHF.fx	3:30:00 PM	25840						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCZK	9:30:00 AM	25841						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCZK	11:30:00 AM	25842						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCZK	1:30:00 PM	25843						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDCZK	3:30:00 PM	25844						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDDKK	9:30:00 AM	25845						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDDKK	11:30:00 AM	25846						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDDKK	1:30:00 PM	25847						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDDKK	3:30:00 PM	25848						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHKD	9:30:00 AM	25849						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHKD	11:30:00 AM	25850						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHKD	1:30:00 PM	25851						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	NZDHKD	3:30:00 PM	25852						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHUF	9:30:00 AM	25853						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHUF	11:30:00 AM	25854						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHUF	1:30:00 PM	25855						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDHUF	3:30:00 PM	25856						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY	9:30:00 AM	25857						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY	11:30:00 AM	25858						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY	1:30:00 PM	25859						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY	3:30:00 PM	25860						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY.fx	9:30:00 AM	25861						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY.fx	11:30:00 AM	25862						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY.fx	1:30:00 PM	25863						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDJPY.fx	3:30:00 PM	25864						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDMXN	9:30:00 AM	25865						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDMXN	11:30:00 AM	25866						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDMXN	1:30:00 PM	25867						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDMXN	3:30:00 PM	25868						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDNOK	9:30:00 AM	25869						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDNOK	11:30:00 AM	25870						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDNOK	1:30:00 PM	25871						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDNOK	3:30:00 PM	25872						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDPLN	9:30:00 AM	25873						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDPLN	11:30:00 AM	25874						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDPLN	1:30:00 PM	25875						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDPLN	3:30:00 PM	25876						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSEK	9:30:00 AM	25877						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSEK	11:30:00 AM	25878						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSEK	1:30:00 PM	25879						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSEK	3:30:00 PM	25880						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD	9:30:00 AM	25881						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD	11:30:00 AM	25882						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD	1:30:00 PM	25883						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD	3:30:00 PM	25884						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD.fx	9:30:00 AM	25885						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	NZDSGD.fx	11:30:00 AM	25886						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD.fx	1:30:00 PM	25887						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDSGD.fx	3:30:00 PM	25888						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD	9:30:00 AM	25889						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD	11:30:00 AM	25890						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD	1:30:00 PM	25891						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD	3:30:00 PM	25892						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD.fx	9:30:00 AM	25893						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD.fx	11:30:00 AM	25894						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD.fx	1:30:00 PM	25895						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDUSD.fx	3:30:00 PM	25896						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDZAR	9:30:00 AM	25897						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDZAR	11:30:00 AM	25898						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDZAR	1:30:00 PM	25899						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	NZDZAR	3:30:00 PM	25900						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY	9:30:00 AM	25901						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY	11:30:00 AM	25902						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY	1:30:00 PM	25903						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY	3:30:00 PM	25904						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY.fx	9:30:00 AM	25905						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY.fx	11:30:00 AM	25906						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY.fx	1:30:00 PM	25907						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SEKJPY.fx	3:30:00 PM	25908						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SGDJPY	9:30:00 AM	25909						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SGDJPY	11:30:00 AM	25910						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SGDJPY	1:30:00 PM	25911						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SGDJPY	3:30:00 PM	25912						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SILVER	9:30:00 AM	25913						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SILVER	11:30:00 AM	25914						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SILVER	1:30:00 PM	25915						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SILVER	3:30:00 PM	25916						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SPX500.i	9:30:00 AM	25917						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SPX500.i	11:30:00 AM	25918						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	SPX500.i	1:30:00 PM	25919						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	SPX500.i	3:30:00 PM	25920						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	UK100.i	9:30:00 AM	25921						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	UK100.i	11:30:00 AM	25922						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	UK100.i	1:30:00 PM	25923						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	UK100.i	3:30:00 PM	25924						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD	9:30:00 AM	25925						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD	11:30:00 AM	25926						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD	1:30:00 PM	25927						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD	3:30:00 PM	25928						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD.fx	9:30:00 AM	25929						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD.fx	11:30:00 AM	25930						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD.fx	1:30:00 PM	25931						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCAD.fx	3:30:00 PM	25932						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF	9:30:00 AM	25933						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF	11:30:00 AM	25934						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF	1:30:00 PM	25935						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF	3:30:00 PM	25936						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF.fx	9:30:00 AM	25937						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF.fx	11:30:00 AM	25938						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF.fx	1:30:00 PM	25939						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCHF.fx	3:30:00 PM	25940						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK	9:30:00 AM	25941						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK	11:30:00 AM	25942						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK	1:30:00 PM	25943						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK	3:30:00 PM	25944						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK.fx	9:30:00 AM	25945						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK.fx	11:30:00 AM	25946						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK.fx	1:30:00 PM	25947						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDCZK.fx	3:30:00 PM	25948						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK	9:30:00 AM	25949						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK	11:30:00 AM	25950						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK	1:30:00 PM	25951						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK	3:30:00 PM	25952						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK.fx	9:30:00 AM	25953						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	USDDKK.fx	11:30:00 AM	25954						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK.fx	1:30:00 PM	25955						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDDKK.fx	3:30:00 PM	25956						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD	9:30:00 AM	25957						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD	11:30:00 AM	25958						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD	1:30:00 PM	25959						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD	3:30:00 PM	25960						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD.fx	9:30:00 AM	25961						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD.fx	11:30:00 AM	25962						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD.fx	1:30:00 PM	25963						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHKD.fx	3:30:00 PM	25964						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF	9:30:00 AM	25965						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF	11:30:00 AM	25966						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF	1:30:00 PM	25967						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF	3:30:00 PM	25968						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF.fx	9:30:00 AM	25969						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF.fx	11:30:00 AM	25970						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF.fx	1:30:00 PM	25971						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDHUF.fx	3:30:00 PM	25972						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDINR	9:30:00 AM	25973						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDINR	11:30:00 AM	25974						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDINR	1:30:00 PM	25975						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDINR	3:30:00 PM	25976						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY	9:30:00 AM	25977						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY	11:30:00 AM	25978						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY	1:30:00 PM	25979						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY	3:30:00 PM	25980						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY.fx	9:30:00 AM	25981						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY.fx	11:30:00 AM	25982						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY.fx	1:30:00 PM	25983						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDJPY.fx	3:30:00 PM	25984						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN	9:30:00 AM	25985						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN	11:30:00 AM	25986						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN	1:30:00 PM	25987						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	USDMXN	3:30:00 PM	25988						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN.fx	9:30:00 AM	25989						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN.fx	11:30:00 AM	25990						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN.fx	1:30:00 PM	25991						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDMXN.fx	3:30:00 PM	25992						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK	9:30:00 AM	25993						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK	11:30:00 AM	25994						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK	1:30:00 PM	25995						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK	3:30:00 PM	25996						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK.fx	9:30:00 AM	25997						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK.fx	11:30:00 AM	25998						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK.fx	1:30:00 PM	25999						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDNOK.fx	3:30:00 PM	26000						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN	9:30:00 AM	26001						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN	11:30:00 AM	26002						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN	1:30:00 PM	26003						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN	3:30:00 PM	26004						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN.fx	9:30:00 AM	26005						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN.fx	11:30:00 AM	26006						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN.fx	1:30:00 PM	26007						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDPLN.fx	3:30:00 PM	26008						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDRUB	9:30:00 AM	26009						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDRUB	11:30:00 AM	26010						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDRUB	1:30:00 PM	26011						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDRUB	3:30:00 PM	26012						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK	9:30:00 AM	26013						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK	11:30:00 AM	26014						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK	1:30:00 PM	26015						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK	3:30:00 PM	26016						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK.fx	9:30:00 AM	26017						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK.fx	11:30:00 AM	26018						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK.fx	1:30:00 PM	26019						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSEK.fx	3:30:00 PM	26020						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD	9:30:00 AM	26021						Continuous Quote	N/A	ELECTRONIC	N/A

10/22/2019	USDSGD	11:30:00 AM	26022						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD	1:30:00 PM	26023						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD	3:30:00 PM	26024						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD.fx	9:30:00 AM	26025						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD.fx	11:30:00 AM	26026						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD.fx	1:30:00 PM	26027						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDSGD.fx	3:30:00 PM	26028						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR	9:30:00 AM	26029						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR	11:30:00 AM	26030						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR	1:30:00 PM	26031						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR	3:30:00 PM	26032						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR.fx	9:30:00 AM	26033						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR.fx	11:30:00 AM	26034						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR.fx	1:30:00 PM	26035						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	USDZAR.fx	3:30:00 PM	26036						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	XAUUSD	9:30:00 AM	26037						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	XAUUSD	11:30:00 AM	26038						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	XAUUSD	1:30:00 PM	26039						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	XAUUSD	3:30:00 PM	26040						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY	9:30:00 AM	26041						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY	11:30:00 AM	26042						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY	1:30:00 PM	26043						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY	3:30:00 PM	26044						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY.fx	9:30:00 AM	26045						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY.fx	11:30:00 AM	26046						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY.fx	1:30:00 PM	26047						Continuous Quote	N/A	ELECTRONIC	N/A
10/22/2019	ZARJPY.fx	3:30:00 PM	26048						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AA	9:30:00 AM	26049						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AA	11:30:00 AM	26050						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AA	1:30:00 PM	26051						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AA	3:30:00 PM	26052						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AABA	9:30:00 AM	26053						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AABA	11:30:00 AM	26054						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AABA	1:30:00 PM	26055						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	#AABA	3:30:00 PM	26056						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAL	9:30:00 AM	26057						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAL	11:30:00 AM	26058						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAL	1:30:00 PM	26059						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAL	3:30:00 PM	26060						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAPL	9:30:00 AM	26061						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAPL	11:30:00 AM	26062						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAPL	1:30:00 PM	26063						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AAPL	3:30:00 PM	26064						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#ADBE	9:30:00 AM	26065						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#ADBE	11:30:00 AM	26066						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#ADBE	1:30:00 PM	26067						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#ADBE	3:30:00 PM	26068						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AIG	9:30:00 AM	26069						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AIG	11:30:00 AM	26070						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AIG	1:30:00 PM	26071						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AIG	3:30:00 PM	26072						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMD	9:30:00 AM	26073						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMD	11:30:00 AM	26074						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMD	1:30:00 PM	26075						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMD	3:30:00 PM	26076						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMZN	9:30:00 AM	26077						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMZN	11:30:00 AM	26078						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMZN	1:30:00 PM	26079						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AMZN	3:30:00 PM	26080						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AXP	9:30:00 AM	26081						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#AXP	11:30:00 AM	26082						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#AXP	3:30:00 PM	26084						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BA	9:30:00 AM	26085						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BA	11:30:00 AM	26086						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BA	1:30:00 PM	26087						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BA	3:30:00 PM	26088						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BABA	9:30:00 AM	26089						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	#BABA	11:30:00 AM	26090						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BABA	1:30:00 PM	26091						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BABA	3:30:00 PM	26092						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BAC	9:30:00 AM	26093						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BAC	11:30:00 AM	26094						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BAC	1:30:00 PM	26095						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BAC	3:30:00 PM	26096						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BARC	9:30:00 AM	26097						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BARC	11:30:00 AM	26098						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BARC	1:30:00 PM	26099						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BARC	3:30:00 PM	26100						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BHP	9:30:00 AM	26101						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BHP	11:30:00 AM	26102						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BHP	1:30:00 PM	26103						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BHP	3:30:00 PM	26104						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BIDU	9:30:00 AM	26105						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BIDU	11:30:00 AM	26106						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BIDU	1:30:00 PM	26107						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BIDU	3:30:00 PM	26108						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Bitcoin	9:30:00 AM	26109						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Bitcoin	11:30:00 AM	26110						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Bitcoin	1:30:00 PM	26111						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Bitcoin	3:30:00 PM	26112						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BK	9:30:00 AM	26113						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BK	11:30:00 AM	26114						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BK	1:30:00 PM	26115						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BK	3:30:00 PM	26116						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BLT	9:30:00 AM	26117						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BLT	11:30:00 AM	26118						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BLT	1:30:00 PM	26119						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BLT	3:30:00 PM	26120						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BP	9:30:00 AM	26121						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BP	11:30:00 AM	26122						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BP	1:30:00 PM	26123						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	#BP	3:30:00 PM	26124						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BTA	9:30:00 AM	26125						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BTA	11:30:00 AM	26126						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BTA	1:30:00 PM	26127						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#BTA	3:30:00 PM	26128						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#C	9:30:00 AM	26129						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#C	11:30:00 AM	26130						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#C	1:30:00 PM	26131						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#C	3:30:00 PM	26132						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CAT	9:30:00 AM	26133						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CAT	11:30:00 AM	26134						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CAT	1:30:00 PM	26135						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CAT	3:30:00 PM	26136						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CHL	9:30:00 AM	26137						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#CHL	1:30:00 PM	26139						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CHL	3:30:00 PM	26140						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CL.f	9:30:00 AM	26141						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#CL.f	3:30:00 PM	26144						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CMCSA	9:30:00 AM	26145						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CMCSA	11:30:00 AM	26146						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CMCSA	1:30:00 PM	26147						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CMCSA	3:30:00 PM	26148						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CSCO	9:30:00 AM	26149						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#CSCO	1:30:00 PM	26151						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CSCO	3:30:00 PM	26152						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CVX	9:30:00 AM	26153						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#CVX	11:30:00 AM	26154						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#CVX	3:30:00 PM	26156						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#DD	9:30:00 AM	26157						Continuous Quote	N/A	ELECTRONIC	N/A

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10/23/2019	#DIS	9:30:00 AM	26161						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#DIS	3:30:00 PM	26164						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#DWDP	9:30:00 AM	26165						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#DWDP	3:30:00 PM	26168						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#EBAY	9:30:00 AM	26169						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#EBAY	11:30:00 AM	26170						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#EBAY	1:30:00 PM	26171						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#EBAY	3:30:00 PM	26172						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Ethereum	9:30:00 AM	26173						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Ethereum	11:30:00 AM	26174						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Ethereum	1:30:00 PM	26175						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#Ethereum	3:30:00 PM	26176						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#F	9:30:00 AM	26177						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#F	11:30:00 AM	26178						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#F	3:30:00 PM	26180						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FB	9:30:00 AM	26181						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#FB	3:30:00 PM	26184						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#FCX	3:30:00 PM	26188						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FDX	9:30:00 AM	26189						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FDX	11:30:00 AM	26190						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FDX	1:30:00 PM	26191						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	#FDX	3:30:00 PM	26192						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FSLR	9:30:00 AM	26193						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FSLR	11:30:00 AM	26194						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FSLR	1:30:00 PM	26195						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#FSLR	3:30:00 PM	26196						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#GILD	1:30:00 PM	26207						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#GILD	3:30:00 PM	26208						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#GOOG	9:30:00 AM	26209						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#GOOG	11:30:00 AM	26210						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#GS	9:30:00 AM	26213						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#HON	1:30:00 PM	26231						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#HON	3:30:00 PM	26232						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#JCP	1:30:00 PM	26259						Continuous Quote	N/A	ELECTRONIC	N/A

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10/23/2019	#JNJ	3:30:00 PM	26264						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#S	1:30:00 PM	26399						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#S	3:30:00 PM	26400						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SBUX	9:30:00 AM	26401						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SBUX	11:30:00 AM	26402						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SBUX	1:30:00 PM	26403						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SBUX	3:30:00 PM	26404						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SNE	9:30:00 AM	26405						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SNE	11:30:00 AM	26406						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#SNE	3:30:00 PM	26408						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SPY	9:30:00 AM	26409						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SPY	11:30:00 AM	26410						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SPY	1:30:00 PM	26411						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#SPY	3:30:00 PM	26412						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#T	9:30:00 AM	26413						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#T	11:30:00 AM	26414						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#T	1:30:00 PM	26415						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#T	3:30:00 PM	26416						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TEVA	9:30:00 AM	26417						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TEVA	11:30:00 AM	26418						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TEVA	1:30:00 PM	26419						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TEVA	3:30:00 PM	26420						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRI	9:30:00 AM	26421						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRI	11:30:00 AM	26422						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRI	1:30:00 PM	26423						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRI	3:30:00 PM	26424						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRV	9:30:00 AM	26425						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRV	11:30:00 AM	26426						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TRV	1:30:00 PM	26427						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#TSCO	11:30:00 AM	26430						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#TSCO	3:30:00 PM	26432						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TSLA	9:30:00 AM	26433						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TSLA	11:30:00 AM	26434						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TSLA	1:30:00 PM	26435						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#TSLA	3:30:00 PM	26436						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#UL	3:30:00 PM	26448						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#UPS	1:30:00 PM	26451						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#UPS	3:30:00 PM	26452						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#UTX	9:30:00 AM	26453						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#UTX	11:30:00 AM	26454						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#UTX	1:30:00 PM	26455						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#UTX	3:30:00 PM	26456						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#V	9:30:00 AM	26457						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#V	1:30:00 PM	26459						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#V	3:30:00 PM	26460						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#VOD	9:30:00 AM	26461						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#VOD	11:30:00 AM	26462						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#VOD	1:30:00 PM	26463						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	#VOD	3:30:00 PM	26464						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#VZ	11:30:00 AM	26466						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#VZ	1:30:00 PM	26467						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#VZ	3:30:00 PM	26468						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#WDC	1:30:00 PM	26471						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WDC	3:30:00 PM	26472						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WFC	9:30:00 AM	26473						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WFC	11:30:00 AM	26474						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WFC	1:30:00 PM	26475						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WFC	3:30:00 PM	26476						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WMT	9:30:00 AM	26477						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WMT	11:30:00 AM	26478						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WMT	1:30:00 PM	26479						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#WMT	3:30:00 PM	26480						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#XOM	9:30:00 AM	26481						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#XOM	1:30:00 PM	26483						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#XOM	3:30:00 PM	26484						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	#YHOO	9:30:00 AM	26485						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#YHOO	3:30:00 PM	26488						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	#ZNGA	3:30:00 PM	26492						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDCAD	3:30:00 PM	26496						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDCHF	9:30:00 AM	26501						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDCHF	3:30:00 PM	26504						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDCHF.fx	9:30:00 AM	26505						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDCHF.fx	3:30:00 PM	26508						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDCZK	9:30:00 AM	26509						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDCZK	11:30:00 AM	26510						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDCZK	1:30:00 PM	26511						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDCZK	3:30:00 PM	26512						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDDKK	9:30:00 AM	26513						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDDKK	11:30:00 AM	26514						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDDKK	1:30:00 PM	26515						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDHKD	9:30:00 AM	26517						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDHKD	11:30:00 AM	26518						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDHKD	3:30:00 PM	26520						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDHUF	9:30:00 AM	26521						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDHUF	11:30:00 AM	26522						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDHUF	3:30:00 PM	26524						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDJPY.fx	9:30:00 AM	26529						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDMXN	11:30:00 AM	26534						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDMXN	3:30:00 PM	26536						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDNOK	9:30:00 AM	26537						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUDNOK	11:30:00 AM	26538						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDNZD	3:30:00 PM	26548						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDPLN	3:30:00 PM	26556						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDSEK	11:30:00 AM	26558						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUDUSD.fx	11:30:00 AM	26578						Continuous Quote	N/A	ELECTRONIC	N/A
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10/23/2019	AUS200.i	9:30:00 AM	26585						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUS200.i	11:30:00 AM	26586						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUS200.i	1:30:00 PM	26587						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	AUS200.i	3:30:00 PM	26588						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	BCHUSD	9:30:00 AM	26589						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	BCHUSD	11:30:00 AM	26590						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	BCHUSD	1:30:00 PM	26591						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	BCHUSD	3:30:00 PM	26592						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF	9:30:00 AM	26593						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF	11:30:00 AM	26594						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF	1:30:00 PM	26595						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF	3:30:00 PM	26596						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF.fx	9:30:00 AM	26597						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF.fx	11:30:00 AM	26598						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCHF.fx	1:30:00 PM	26599						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	CADCHF.fx	3:30:00 PM	26600						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCZK	9:30:00 AM	26601						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCZK	11:30:00 AM	26602						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCZK	1:30:00 PM	26603						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADCZK	3:30:00 PM	26604						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADDDK	9:30:00 AM	26605						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADDDK	11:30:00 AM	26606						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADDDK	1:30:00 PM	26607						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADDDK	3:30:00 PM	26608						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHKD	9:30:00 AM	26609						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHKD	11:30:00 AM	26610						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHKD	1:30:00 PM	26611						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHKD	3:30:00 PM	26612						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHUF	9:30:00 AM	26613						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHUF	11:30:00 AM	26614						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHUF	1:30:00 PM	26615						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADHUF	3:30:00 PM	26616						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY	9:30:00 AM	26617						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY	11:30:00 AM	26618						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY	1:30:00 PM	26619						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY	3:30:00 PM	26620						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY.fx	9:30:00 AM	26621						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY.fx	11:30:00 AM	26622						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY.fx	1:30:00 PM	26623						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADJPY.fx	3:30:00 PM	26624						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADMXN	9:30:00 AM	26625						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADMXN	11:30:00 AM	26626						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADMXN	1:30:00 PM	26627						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADMXN	3:30:00 PM	26628						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADNOK	9:30:00 AM	26629						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADNOK	11:30:00 AM	26630						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADNOK	1:30:00 PM	26631						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADNOK	3:30:00 PM	26632						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADPLN	9:30:00 AM	26633						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	CADPLN	11:30:00 AM	26634						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADPLN	1:30:00 PM	26635						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADPLN	3:30:00 PM	26636						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSEK	9:30:00 AM	26637						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSEK	11:30:00 AM	26638						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSEK	1:30:00 PM	26639						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSEK	3:30:00 PM	26640						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSGD	9:30:00 AM	26641						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSGD	11:30:00 AM	26642						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSGD	1:30:00 PM	26643						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADSGD	3:30:00 PM	26644						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADZAR	9:30:00 AM	26645						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADZAR	11:30:00 AM	26646						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADZAR	1:30:00 PM	26647						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CADZAR	3:30:00 PM	26648						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFCZK	9:30:00 AM	26649						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFCZK	11:30:00 AM	26650						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFCZK	1:30:00 PM	26651						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFCZK	3:30:00 PM	26652						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK	9:30:00 AM	26653						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK	11:30:00 AM	26654						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK	1:30:00 PM	26655						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK	3:30:00 PM	26656						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK.fx	9:30:00 AM	26657						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK.fx	11:30:00 AM	26658						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK.fx	1:30:00 PM	26659						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFDKK.fx	3:30:00 PM	26660						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHKD	9:30:00 AM	26661						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHKD	11:30:00 AM	26662						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHKD	1:30:00 PM	26663						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHKD	3:30:00 PM	26664						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHUF	9:30:00 AM	26665						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHUF	11:30:00 AM	26666						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFHUF	1:30:00 PM	26667						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	CHFHFUF	3:30:00 PM	26668						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY	9:30:00 AM	26669						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY	11:30:00 AM	26670						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY	1:30:00 PM	26671						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY	3:30:00 PM	26672						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY.fx	9:30:00 AM	26673						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY.fx	11:30:00 AM	26674						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY.fx	1:30:00 PM	26675						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFJPY.fx	3:30:00 PM	26676						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFMXN	9:30:00 AM	26677						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFMXN	11:30:00 AM	26678						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFMXN	1:30:00 PM	26679						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFMXN	3:30:00 PM	26680						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK	9:30:00 AM	26681						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK	11:30:00 AM	26682						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK	1:30:00 PM	26683						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK	3:30:00 PM	26684						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK.fx	9:30:00 AM	26685						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK.fx	11:30:00 AM	26686						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK.fx	1:30:00 PM	26687						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFNOK.fx	3:30:00 PM	26688						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN	9:30:00 AM	26689						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN	11:30:00 AM	26690						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN	1:30:00 PM	26691						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN	3:30:00 PM	26692						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN.fx	9:30:00 AM	26693						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN.fx	11:30:00 AM	26694						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN.fx	1:30:00 PM	26695						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFPLN.fx	3:30:00 PM	26696						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSEK	9:30:00 AM	26697						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSEK	11:30:00 AM	26698						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSEK	1:30:00 PM	26699						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSEK	3:30:00 PM	26700						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD	9:30:00 AM	26701						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	CHFSGD	11:30:00 AM	26702						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD	1:30:00 PM	26703						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD	3:30:00 PM	26704						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD.fx	9:30:00 AM	26705						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD.fx	11:30:00 AM	26706						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD.fx	1:30:00 PM	26707						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFSGD.fx	3:30:00 PM	26708						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFZAR	9:30:00 AM	26709						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFZAR	11:30:00 AM	26710						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFZAR	1:30:00 PM	26711						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CHFZAR	3:30:00 PM	26712						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CZKJPY	9:30:00 AM	26713						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CZKJPY	11:30:00 AM	26714						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CZKJPY	1:30:00 PM	26715						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	CZKJPY	3:30:00 PM	26716						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DAX30.i	9:30:00 AM	26717						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DAX30.i	11:30:00 AM	26718						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DAX30.i	1:30:00 PM	26719						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DAX30.i	3:30:00 PM	26720						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DJ30.i	9:30:00 AM	26721						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DJ30.i	11:30:00 AM	26722						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DJ30.i	1:30:00 PM	26723						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DJ30.i	3:30:00 PM	26724						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DKKJPY	9:30:00 AM	26725						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DKKJPY	11:30:00 AM	26726						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DKKJPY	1:30:00 PM	26727						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	DKKJPY	3:30:00 PM	26728						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD	9:30:00 AM	26729						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD	11:30:00 AM	26730						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD	1:30:00 PM	26731						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD	3:30:00 PM	26732						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD.fx	9:30:00 AM	26733						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD.fx	11:30:00 AM	26734						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURAUD.fx	1:30:00 PM	26735						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	EURAUD.fx	3:30:00 PM	26736						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD	9:30:00 AM	26737						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD	11:30:00 AM	26738						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD	1:30:00 PM	26739						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD	3:30:00 PM	26740						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD.fx	9:30:00 AM	26741						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD.fx	11:30:00 AM	26742						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD.fx	1:30:00 PM	26743						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCAD.fx	3:30:00 PM	26744						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF	9:30:00 AM	26745						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF	11:30:00 AM	26746						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF	1:30:00 PM	26747						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF	3:30:00 PM	26748						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF.fx	9:30:00 AM	26749						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF.fx	11:30:00 AM	26750						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF.fx	1:30:00 PM	26751						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCHF.fx	3:30:00 PM	26752						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCZK	9:30:00 AM	26753						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCZK	11:30:00 AM	26754						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCZK	1:30:00 PM	26755						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURCZK	3:30:00 PM	26756						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURDKK	9:30:00 AM	26757						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURDKK	11:30:00 AM	26758						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURDKK	1:30:00 PM	26759						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURDKK	3:30:00 PM	26760						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP	9:30:00 AM	26761						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP	11:30:00 AM	26762						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP	1:30:00 PM	26763						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP	3:30:00 PM	26764						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP.fx	9:30:00 AM	26765						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP.fx	11:30:00 AM	26766						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP.fx	1:30:00 PM	26767						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURGBP.fx	3:30:00 PM	26768						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD	9:30:00 AM	26769						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	EURHKD	11:30:00 AM	26770						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD	1:30:00 PM	26771						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD	3:30:00 PM	26772						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD.fx	9:30:00 AM	26773						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD.fx	11:30:00 AM	26774						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD.fx	1:30:00 PM	26775						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHKD.fx	3:30:00 PM	26776						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF	9:30:00 AM	26777						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF	11:30:00 AM	26778						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF	1:30:00 PM	26779						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF	3:30:00 PM	26780						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF.fx	9:30:00 AM	26781						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF.fx	11:30:00 AM	26782						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF.fx	1:30:00 PM	26783						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURHUF.fx	3:30:00 PM	26784						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY	9:30:00 AM	26785						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY	11:30:00 AM	26786						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY	1:30:00 PM	26787						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY	3:30:00 PM	26788						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY.fx	9:30:00 AM	26789						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY.fx	11:30:00 AM	26790						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY.fx	1:30:00 PM	26791						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURJPY.fx	3:30:00 PM	26792						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN	9:30:00 AM	26793						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN	11:30:00 AM	26794						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN	1:30:00 PM	26795						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN	3:30:00 PM	26796						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN.fx	9:30:00 AM	26797						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN.fx	11:30:00 AM	26798						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN.fx	1:30:00 PM	26799						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURMXN.fx	3:30:00 PM	26800						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK	9:30:00 AM	26801						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK	11:30:00 AM	26802						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK	1:30:00 PM	26803						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	EURNOK	3:30:00 PM	26804						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK.fx	9:30:00 AM	26805						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK.fx	11:30:00 AM	26806						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK.fx	1:30:00 PM	26807						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNOK.fx	3:30:00 PM	26808						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD	9:30:00 AM	26809						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD	11:30:00 AM	26810						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD	1:30:00 PM	26811						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD	3:30:00 PM	26812						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD.fx	9:30:00 AM	26813						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD.fx	11:30:00 AM	26814						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD.fx	1:30:00 PM	26815						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURNZD.fx	3:30:00 PM	26816						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN	9:30:00 AM	26817						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN	11:30:00 AM	26818						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN	1:30:00 PM	26819						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN	3:30:00 PM	26820						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN.fx	9:30:00 AM	26821						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN.fx	11:30:00 AM	26822						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN.fx	1:30:00 PM	26823						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURPLN.fx	3:30:00 PM	26824						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURRUB	9:30:00 AM	26825						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURRUB	11:30:00 AM	26826						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURRUB	1:30:00 PM	26827						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURRUB	3:30:00 PM	26828						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK	9:30:00 AM	26829						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK	11:30:00 AM	26830						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK	1:30:00 PM	26831						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK	3:30:00 PM	26832						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK.fx	9:30:00 AM	26833						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK.fx	11:30:00 AM	26834						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK.fx	1:30:00 PM	26835						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSEK.fx	3:30:00 PM	26836						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD	9:30:00 AM	26837						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	EURSGD	11:30:00 AM	26838						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD	1:30:00 PM	26839						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD	3:30:00 PM	26840						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD.fx	9:30:00 AM	26841						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD.fx	11:30:00 AM	26842						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD.fx	1:30:00 PM	26843						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURSGD.fx	3:30:00 PM	26844						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD	9:30:00 AM	26845						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD	11:30:00 AM	26846						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD	1:30:00 PM	26847						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD	3:30:00 PM	26848						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD.fx	9:30:00 AM	26849						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD.fx	11:30:00 AM	26850						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD.fx	1:30:00 PM	26851						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURUSD.fx	3:30:00 PM	26852						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR	9:30:00 AM	26853						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR	11:30:00 AM	26854						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR	1:30:00 PM	26855						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR	3:30:00 PM	26856						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR.fx	9:30:00 AM	26857						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR.fx	11:30:00 AM	26858						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR.fx	1:30:00 PM	26859						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	EURZAR.fx	3:30:00 PM	26860						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD	9:30:00 AM	26861						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD	11:30:00 AM	26862						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD	1:30:00 PM	26863						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD	3:30:00 PM	26864						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD.fx	9:30:00 AM	26865						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD.fx	11:30:00 AM	26866						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD.fx	1:30:00 PM	26867						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPAUD.fx	3:30:00 PM	26868						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD	9:30:00 AM	26869						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD	11:30:00 AM	26870						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD	1:30:00 PM	26871						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	GBPCAD	3:30:00 PM	26872						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD.fx	9:30:00 AM	26873						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD.fx	11:30:00 AM	26874						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD.fx	1:30:00 PM	26875						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCAD.fx	3:30:00 PM	26876						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF	9:30:00 AM	26877						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF	11:30:00 AM	26878						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF	1:30:00 PM	26879						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF	3:30:00 PM	26880						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF.fx	9:30:00 AM	26881						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF.fx	11:30:00 AM	26882						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF.fx	1:30:00 PM	26883						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCHF.fx	3:30:00 PM	26884						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCZK	9:30:00 AM	26885						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCZK	11:30:00 AM	26886						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCZK	1:30:00 PM	26887						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPCZK	3:30:00 PM	26888						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK	9:30:00 AM	26889						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK	11:30:00 AM	26890						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK	1:30:00 PM	26891						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK	3:30:00 PM	26892						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK.fx	9:30:00 AM	26893						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK.fx	11:30:00 AM	26894						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK.fx	1:30:00 PM	26895						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPDKK.fx	3:30:00 PM	26896						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHKD	9:30:00 AM	26897						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHKD	11:30:00 AM	26898						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHKD	1:30:00 PM	26899						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHKD	3:30:00 PM	26900						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHUF	9:30:00 AM	26901						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHUF	11:30:00 AM	26902						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHUF	1:30:00 PM	26903						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPHUF	3:30:00 PM	26904						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY	9:30:00 AM	26905						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	GBPJPY	11:30:00 AM	26906						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY	1:30:00 PM	26907						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY	3:30:00 PM	26908						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY.fx	9:30:00 AM	26909						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY.fx	11:30:00 AM	26910						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY.fx	1:30:00 PM	26911						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPJPY.fx	3:30:00 PM	26912						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPMXN	9:30:00 AM	26913						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPMXN	11:30:00 AM	26914						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPMXN	1:30:00 PM	26915						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPMXN	3:30:00 PM	26916						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK	9:30:00 AM	26917						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK	11:30:00 AM	26918						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK	1:30:00 PM	26919						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK	3:30:00 PM	26920						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK.fx	9:30:00 AM	26921						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK.fx	11:30:00 AM	26922						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK.fx	1:30:00 PM	26923						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNOK.fx	3:30:00 PM	26924						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD	9:30:00 AM	26925						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD	11:30:00 AM	26926						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD	1:30:00 PM	26927						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD	3:30:00 PM	26928						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD.fx	9:30:00 AM	26929						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD.fx	11:30:00 AM	26930						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD.fx	1:30:00 PM	26931						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPNZD.fx	3:30:00 PM	26932						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN	9:30:00 AM	26933						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN	11:30:00 AM	26934						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN	1:30:00 PM	26935						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN	3:30:00 PM	26936						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN.fx	9:30:00 AM	26937						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN.fx	11:30:00 AM	26938						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPPLN.fx	1:30:00 PM	26939						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	GBPPLN.fx	3:30:00 PM	26940						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK	9:30:00 AM	26941						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK	11:30:00 AM	26942						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK	1:30:00 PM	26943						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK	3:30:00 PM	26944						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK.fx	9:30:00 AM	26945						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK.fx	11:30:00 AM	26946						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK.fx	1:30:00 PM	26947						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSEK.fx	3:30:00 PM	26948						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD	9:30:00 AM	26949						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD	11:30:00 AM	26950						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD	1:30:00 PM	26951						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD	3:30:00 PM	26952						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD.fx	9:30:00 AM	26953						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD.fx	11:30:00 AM	26954						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD.fx	1:30:00 PM	26955						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPSGD.fx	3:30:00 PM	26956						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD	9:30:00 AM	26957						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD	11:30:00 AM	26958						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD	1:30:00 PM	26959						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD	3:30:00 PM	26960						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD.fx	9:30:00 AM	26961						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD.fx	11:30:00 AM	26962						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD.fx	1:30:00 PM	26963						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPUSD.fx	3:30:00 PM	26964						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR	9:30:00 AM	26965						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR	11:30:00 AM	26966						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR	1:30:00 PM	26967						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR	3:30:00 PM	26968						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR.fx	9:30:00 AM	26969						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR.fx	11:30:00 AM	26970						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR.fx	1:30:00 PM	26971						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GBPZAR.fx	3:30:00 PM	26972						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GOLD	9:30:00 AM	26973						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	GOLD	11:30:00 AM	26974						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GOLD	1:30:00 PM	26975						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	GOLD	3:30:00 PM	26976						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY	9:30:00 AM	26977						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY	11:30:00 AM	26978						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY	1:30:00 PM	26979						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY	3:30:00 PM	26980						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY.fx	9:30:00 AM	26981						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY.fx	11:30:00 AM	26982						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY.fx	1:30:00 PM	26983						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HKDJPY.fx	3:30:00 PM	26984						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HUFJPY	9:30:00 AM	26985						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HUFJPY	11:30:00 AM	26986						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HUFJPY	1:30:00 PM	26987						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	HUFJPY	3:30:00 PM	26988						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JP225.i	9:30:00 AM	26989						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JP225.i	11:30:00 AM	26990						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JP225.i	1:30:00 PM	26991						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JP225.i	3:30:00 PM	26992						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	MXNJPY	9:30:00 AM	26993						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	MXNJPY	11:30:00 AM	26994						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	MXNJPY	1:30:00 PM	26995						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	MXNJPY	3:30:00 PM	26996						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NASDAQ.i	9:30:00 AM	26997						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NASDAQ.i	11:30:00 AM	26998						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NASDAQ.i	1:30:00 PM	26999						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NASDAQ.i	3:30:00 PM	27000						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY	9:30:00 AM	27001						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY	11:30:00 AM	27002						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY	1:30:00 PM	27003						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY	3:30:00 PM	27004						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY.fx	9:30:00 AM	27005						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY.fx	11:30:00 AM	27006						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NOKJPY.fx	1:30:00 PM	27007						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	NOKJPY.fx	3:30:00 PM	27008						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD	9:30:00 AM	27009						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD	11:30:00 AM	27010						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD	1:30:00 PM	27011						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD	3:30:00 PM	27012						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD.fx	9:30:00 AM	27013						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD.fx	11:30:00 AM	27014						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD.fx	1:30:00 PM	27015						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCAD.fx	3:30:00 PM	27016						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF	9:30:00 AM	27017						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF	11:30:00 AM	27018						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF	1:30:00 PM	27019						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF	3:30:00 PM	27020						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF.fx	9:30:00 AM	27021						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF.fx	11:30:00 AM	27022						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF.fx	1:30:00 PM	27023						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCHF.fx	3:30:00 PM	27024						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCZK	9:30:00 AM	27025						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCZK	11:30:00 AM	27026						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCZK	1:30:00 PM	27027						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDCZK	3:30:00 PM	27028						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDDKK	9:30:00 AM	27029						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDDKK	11:30:00 AM	27030						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDDKK	1:30:00 PM	27031						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDDKK	3:30:00 PM	27032						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHKD	9:30:00 AM	27033						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHKD	11:30:00 AM	27034						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHKD	1:30:00 PM	27035						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHKD	3:30:00 PM	27036						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHUF	9:30:00 AM	27037						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHUF	11:30:00 AM	27038						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHUF	1:30:00 PM	27039						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDHUF	3:30:00 PM	27040						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY	9:30:00 AM	27041						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	NZDJPY	11:30:00 AM	27042						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY	1:30:00 PM	27043						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY	3:30:00 PM	27044						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY.fx	9:30:00 AM	27045						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY.fx	11:30:00 AM	27046						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY.fx	1:30:00 PM	27047						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDJPY.fx	3:30:00 PM	27048						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDMXN	9:30:00 AM	27049						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDMXN	11:30:00 AM	27050						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDMXN	1:30:00 PM	27051						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDMXN	3:30:00 PM	27052						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDNOK	9:30:00 AM	27053						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDNOK	11:30:00 AM	27054						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDNOK	1:30:00 PM	27055						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDNOK	3:30:00 PM	27056						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDPLN	9:30:00 AM	27057						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDPLN	11:30:00 AM	27058						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDPLN	1:30:00 PM	27059						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDPLN	3:30:00 PM	27060						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSEK	9:30:00 AM	27061						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSEK	11:30:00 AM	27062						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSEK	1:30:00 PM	27063						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSEK	3:30:00 PM	27064						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD	9:30:00 AM	27065						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD	11:30:00 AM	27066						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD	1:30:00 PM	27067						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD	3:30:00 PM	27068						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD.fx	9:30:00 AM	27069						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD.fx	11:30:00 AM	27070						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD.fx	1:30:00 PM	27071						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDSGD.fx	3:30:00 PM	27072						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD	9:30:00 AM	27073						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD	11:30:00 AM	27074						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD	1:30:00 PM	27075						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	NZDUSD	3:30:00 PM	27076						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD.fx	9:30:00 AM	27077						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD.fx	11:30:00 AM	27078						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD.fx	1:30:00 PM	27079						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDUSD.fx	3:30:00 PM	27080						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDZAR	9:30:00 AM	27081						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDZAR	11:30:00 AM	27082						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDZAR	1:30:00 PM	27083						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	NZDZAR	3:30:00 PM	27084						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY	9:30:00 AM	27085						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY	11:30:00 AM	27086						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY	1:30:00 PM	27087						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY	3:30:00 PM	27088						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY.fx	9:30:00 AM	27089						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY.fx	11:30:00 AM	27090						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY.fx	1:30:00 PM	27091						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SEKJPY.fx	3:30:00 PM	27092						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SGDJPY	9:30:00 AM	27093						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SGDJPY	11:30:00 AM	27094						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SGDJPY	1:30:00 PM	27095						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SGDJPY	3:30:00 PM	27096						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SILVER	9:30:00 AM	27097						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SILVER	11:30:00 AM	27098						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SILVER	1:30:00 PM	27099						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SILVER	3:30:00 PM	27100						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SPX500.i	9:30:00 AM	27101						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SPX500.i	11:30:00 AM	27102						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SPX500.i	1:30:00 PM	27103						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	SPX500.i	3:30:00 PM	27104						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	UK100.i	9:30:00 AM	27105						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	UK100.i	11:30:00 AM	27106						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	UK100.i	1:30:00 PM	27107						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	UK100.i	3:30:00 PM	27108						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD	9:30:00 AM	27109						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	USDCAD	11:30:00 AM	27110						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD	1:30:00 PM	27111						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD	3:30:00 PM	27112						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD.fx	9:30:00 AM	27113						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD.fx	11:30:00 AM	27114						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD.fx	1:30:00 PM	27115						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCAD.fx	3:30:00 PM	27116						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF	9:30:00 AM	27117						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF	11:30:00 AM	27118						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF	1:30:00 PM	27119						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF	3:30:00 PM	27120						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF.fx	9:30:00 AM	27121						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF.fx	11:30:00 AM	27122						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF.fx	1:30:00 PM	27123						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCHF.fx	3:30:00 PM	27124						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK	9:30:00 AM	27125						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK	11:30:00 AM	27126						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK	1:30:00 PM	27127						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK	3:30:00 PM	27128						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK.fx	9:30:00 AM	27129						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK.fx	11:30:00 AM	27130						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK.fx	1:30:00 PM	27131						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDCZK.fx	3:30:00 PM	27132						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK	9:30:00 AM	27133						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK	11:30:00 AM	27134						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK	1:30:00 PM	27135						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK	3:30:00 PM	27136						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK.fx	9:30:00 AM	27137						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK.fx	11:30:00 AM	27138						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK.fx	1:30:00 PM	27139						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDDKK.fx	3:30:00 PM	27140						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD	9:30:00 AM	27141						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD	11:30:00 AM	27142						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD	1:30:00 PM	27143						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	USDHKD	3:30:00 PM	27144						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD.fx	9:30:00 AM	27145						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD.fx	11:30:00 AM	27146						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD.fx	1:30:00 PM	27147						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHKD.fx	3:30:00 PM	27148						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF	9:30:00 AM	27149						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF	11:30:00 AM	27150						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF	1:30:00 PM	27151						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF	3:30:00 PM	27152						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF.fx	9:30:00 AM	27153						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF.fx	11:30:00 AM	27154						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF.fx	1:30:00 PM	27155						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDHUF.fx	3:30:00 PM	27156						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDINR	9:30:00 AM	27157						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDINR	11:30:00 AM	27158						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDINR	1:30:00 PM	27159						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDINR	3:30:00 PM	27160						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY	9:30:00 AM	27161						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY	11:30:00 AM	27162						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY	1:30:00 PM	27163						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY	3:30:00 PM	27164						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY.fx	9:30:00 AM	27165						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY.fx	11:30:00 AM	27166						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY.fx	1:30:00 PM	27167						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDJPY.fx	3:30:00 PM	27168						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDMXN	9:30:00 AM	27169						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDMXN	11:30:00 AM	27170						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDMXN	1:30:00 PM	27171						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDMXN	3:30:00 PM	27172						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JSDMXN.fx	9:30:00 AM	27173						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JSDMXN.fx	11:30:00 AM	27174						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JSDMXN.fx	1:30:00 PM	27175						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	JSDMXN.fx	3:30:00 PM	27176						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK	9:30:00 AM	27177						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	USDNOK	11:30:00 AM	27178						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK	1:30:00 PM	27179						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK	3:30:00 PM	27180						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK.fx	9:30:00 AM	27181						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK.fx	11:30:00 AM	27182						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK.fx	1:30:00 PM	27183						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDNOK.fx	3:30:00 PM	27184						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN	9:30:00 AM	27185						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN	11:30:00 AM	27186						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN	1:30:00 PM	27187						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN	3:30:00 PM	27188						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN.fx	9:30:00 AM	27189						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN.fx	11:30:00 AM	27190						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN.fx	1:30:00 PM	27191						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDPLN.fx	3:30:00 PM	27192						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDRUB	9:30:00 AM	27193						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDRUB	11:30:00 AM	27194						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDRUB	1:30:00 PM	27195						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDRUB	3:30:00 PM	27196						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK	9:30:00 AM	27197						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK	11:30:00 AM	27198						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK	1:30:00 PM	27199						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK	3:30:00 PM	27200						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK.fx	9:30:00 AM	27201						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK.fx	11:30:00 AM	27202						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK.fx	1:30:00 PM	27203						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSEK.fx	3:30:00 PM	27204						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD	9:30:00 AM	27205						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD	11:30:00 AM	27206						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD	1:30:00 PM	27207						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD	3:30:00 PM	27208						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD.fx	9:30:00 AM	27209						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD.fx	11:30:00 AM	27210						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDSGD.fx	1:30:00 PM	27211						Continuous Quote	N/A	ELECTRONIC	N/A

10/23/2019	USDSGD.fx	3:30:00 PM	27212						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR	9:30:00 AM	27213						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR	11:30:00 AM	27214						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR	1:30:00 PM	27215						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR	3:30:00 PM	27216						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR.fx	9:30:00 AM	27217						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR.fx	11:30:00 AM	27218						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR.fx	1:30:00 PM	27219						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	USDZAR.fx	3:30:00 PM	27220						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	XAUUSD	9:30:00 AM	27221						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	XAUUSD	11:30:00 AM	27222						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	XAUUSD	1:30:00 PM	27223						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	XAUUSD	3:30:00 PM	27224						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY	9:30:00 AM	27225						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY	11:30:00 AM	27226						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY	1:30:00 PM	27227						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY	3:30:00 PM	27228						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY.fx	9:30:00 AM	27229						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY.fx	11:30:00 AM	27230						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY.fx	1:30:00 PM	27231						Continuous Quote	N/A	ELECTRONIC	N/A
10/23/2019	ZARJPY.fx	3:30:00 PM	27232						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AA	9:30:00 AM	27233						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AA	11:30:00 AM	27234						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AA	1:30:00 PM	27235						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AA	3:30:00 PM	27236						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AABA	9:30:00 AM	27237						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AABA	11:30:00 AM	27238						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#AABA	3:30:00 PM	27240						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAL	9:30:00 AM	27241						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAL	11:30:00 AM	27242						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAL	1:30:00 PM	27243						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAL	3:30:00 PM	27244						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#AAPL	11:30:00 AM	27246						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAPL	1:30:00 PM	27247						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AAPL	3:30:00 PM	27248						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#ADBE	9:30:00 AM	27249						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#ADBE	11:30:00 AM	27250						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#ADBE	1:30:00 PM	27251						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#ADBE	3:30:00 PM	27252						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AIG	9:30:00 AM	27253						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AIG	11:30:00 AM	27254						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AIG	1:30:00 PM	27255						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AIG	3:30:00 PM	27256						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMD	9:30:00 AM	27257						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMD	11:30:00 AM	27258						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMD	1:30:00 PM	27259						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMD	3:30:00 PM	27260						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMZN	9:30:00 AM	27261						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMZN	11:30:00 AM	27262						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMZN	1:30:00 PM	27263						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AMZN	3:30:00 PM	27264						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AXP	9:30:00 AM	27265						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AXP	11:30:00 AM	27266						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AXP	1:30:00 PM	27267						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#AXP	3:30:00 PM	27268						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BA	9:30:00 AM	27269						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BA	11:30:00 AM	27270						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BA	1:30:00 PM	27271						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BA	3:30:00 PM	27272						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BABA	9:30:00 AM	27273						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BABA	11:30:00 AM	27274						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BABA	1:30:00 PM	27275						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BABA	3:30:00 PM	27276						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BAC	9:30:00 AM	27277						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BAC	11:30:00 AM	27278						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BAC	1:30:00 PM	27279						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	#BAC	3:30:00 PM	27280						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BARC	9:30:00 AM	27281						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BARC	11:30:00 AM	27282						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BARC	1:30:00 PM	27283						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BARC	3:30:00 PM	27284						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BHP	9:30:00 AM	27285						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BHP	11:30:00 AM	27286						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BHP	1:30:00 PM	27287						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BHP	3:30:00 PM	27288						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BIDU	9:30:00 AM	27289						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BIDU	11:30:00 AM	27290						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BIDU	1:30:00 PM	27291						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BIDU	3:30:00 PM	27292						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Bitcoin	9:30:00 AM	27293						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Bitcoin	11:30:00 AM	27294						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Bitcoin	1:30:00 PM	27295						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Bitcoin	3:30:00 PM	27296						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BK	9:30:00 AM	27297						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BK	11:30:00 AM	27298						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BK	1:30:00 PM	27299						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BK	3:30:00 PM	27300						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BLT	9:30:00 AM	27301						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BLT	11:30:00 AM	27302						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BLT	1:30:00 PM	27303						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BLT	3:30:00 PM	27304						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BP	9:30:00 AM	27305						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BP	11:30:00 AM	27306						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BP	1:30:00 PM	27307						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BP	3:30:00 PM	27308						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BTA	9:30:00 AM	27309						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BTA	11:30:00 AM	27310						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BTA	1:30:00 PM	27311						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#BTA	3:30:00 PM	27312						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#C	9:30:00 AM	27313						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	#C	11:30:00 AM	27314						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#C	1:30:00 PM	27315						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#C	3:30:00 PM	27316						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CAT	9:30:00 AM	27317						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CAT	11:30:00 AM	27318						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CAT	1:30:00 PM	27319						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CAT	3:30:00 PM	27320						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CHL	9:30:00 AM	27321						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CHL	11:30:00 AM	27322						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CHL	1:30:00 PM	27323						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CHL	3:30:00 PM	27324						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CL.f	9:30:00 AM	27325						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#CL.f	3:30:00 PM	27328						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#CMCSA	3:30:00 PM	27332						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#CSCO	9:30:00 AM	27333						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#CSCO	3:30:00 PM	27336						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#CVX	3:30:00 PM	27340						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DD	9:30:00 AM	27341						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DD	11:30:00 AM	27342						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DD	1:30:00 PM	27343						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DD	3:30:00 PM	27344						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DIS	9:30:00 AM	27345						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#DIS	11:30:00 AM	27346						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#DIS	3:30:00 PM	27348						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#DWD	3:30:00 PM	27352						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#Ethereum	11:30:00 AM	27358						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Ethereum	1:30:00 PM	27359						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#Ethereum	3:30:00 PM	27360						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#F	9:30:00 AM	27361						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#F	11:30:00 AM	27362						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#F	1:30:00 PM	27363						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#F	3:30:00 PM	27364						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#FCX	9:30:00 AM	27369						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#FSLR	1:30:00 PM	27379						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#FSLR	3:30:00 PM	27380						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	#GE	9:30:00 AM	27381						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	#GE	11:30:00 AM	27382						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	#V	1:30:00 PM	27643						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	AUDCZK	3:30:00 PM	27696						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	CADCHF	11:30:00 AM	27778						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADCHF	1:30:00 PM	27779						Continuous Quote	N/A	ELECTRONIC	N/A
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10/24/2019	CADCZK	11:30:00 AM	27786						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADCZK	1:30:00 PM	27787						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADCZK	3:30:00 PM	27788						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADKK	9:30:00 AM	27789						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	CADDDK	11:30:00 AM	27790						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADDDK	1:30:00 PM	27791						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADDDK	3:30:00 PM	27792						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHKD	9:30:00 AM	27793						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHKD	11:30:00 AM	27794						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHKD	1:30:00 PM	27795						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHKD	3:30:00 PM	27796						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHUF	9:30:00 AM	27797						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHUF	11:30:00 AM	27798						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHUF	1:30:00 PM	27799						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADHUF	3:30:00 PM	27800						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY	9:30:00 AM	27801						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY	11:30:00 AM	27802						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY	1:30:00 PM	27803						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY	3:30:00 PM	27804						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY.fx	9:30:00 AM	27805						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY.fx	11:30:00 AM	27806						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY.fx	1:30:00 PM	27807						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADJPY.fx	3:30:00 PM	27808						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADMXN	9:30:00 AM	27809						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADMXN	11:30:00 AM	27810						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADMXN	1:30:00 PM	27811						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADMXN	3:30:00 PM	27812						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADNOK	9:30:00 AM	27813						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADNOK	11:30:00 AM	27814						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADNOK	1:30:00 PM	27815						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADNOK	3:30:00 PM	27816						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADPLN	9:30:00 AM	27817						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADPLN	11:30:00 AM	27818						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADPLN	1:30:00 PM	27819						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADPLN	3:30:00 PM	27820						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSEK	9:30:00 AM	27821						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSEK	11:30:00 AM	27822						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSEK	1:30:00 PM	27823						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	CADSEK	3:30:00 PM	27824						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSGD	9:30:00 AM	27825						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSGD	11:30:00 AM	27826						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSGD	1:30:00 PM	27827						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADSGD	3:30:00 PM	27828						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADZAR	9:30:00 AM	27829						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADZAR	11:30:00 AM	27830						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADZAR	1:30:00 PM	27831						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CADZAR	3:30:00 PM	27832						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFCZK	9:30:00 AM	27833						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFCZK	11:30:00 AM	27834						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFCZK	1:30:00 PM	27835						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFCZK	3:30:00 PM	27836						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK	9:30:00 AM	27837						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK	11:30:00 AM	27838						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK	1:30:00 PM	27839						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK	3:30:00 PM	27840						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK.fx	9:30:00 AM	27841						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK.fx	11:30:00 AM	27842						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK.fx	1:30:00 PM	27843						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFDKK.fx	3:30:00 PM	27844						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHKD	9:30:00 AM	27845						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHKD	11:30:00 AM	27846						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHKD	1:30:00 PM	27847						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHKD	3:30:00 PM	27848						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHUF	9:30:00 AM	27849						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHUF	11:30:00 AM	27850						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHUF	1:30:00 PM	27851						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFHUF	3:30:00 PM	27852						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY	9:30:00 AM	27853						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY	11:30:00 AM	27854						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY	1:30:00 PM	27855						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY	3:30:00 PM	27856						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY.fx	9:30:00 AM	27857						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	CHFJPY.fx	11:30:00 AM	27858						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY.fx	1:30:00 PM	27859						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFJPY.fx	3:30:00 PM	27860						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFMXN	9:30:00 AM	27861						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFMXN	11:30:00 AM	27862						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFMXN	1:30:00 PM	27863						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFMXN	3:30:00 PM	27864						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK	9:30:00 AM	27865						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK	11:30:00 AM	27866						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK	1:30:00 PM	27867						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK	3:30:00 PM	27868						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK.fx	9:30:00 AM	27869						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK.fx	11:30:00 AM	27870						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK.fx	1:30:00 PM	27871						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFNOK.fx	3:30:00 PM	27872						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN	9:30:00 AM	27873						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN	11:30:00 AM	27874						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN	1:30:00 PM	27875						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN	3:30:00 PM	27876						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN.fx	9:30:00 AM	27877						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN.fx	11:30:00 AM	27878						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN.fx	1:30:00 PM	27879						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFPLN.fx	3:30:00 PM	27880						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSEK	9:30:00 AM	27881						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSEK	11:30:00 AM	27882						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSEK	1:30:00 PM	27883						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSEK	3:30:00 PM	27884						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD	9:30:00 AM	27885						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD	11:30:00 AM	27886						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD	1:30:00 PM	27887						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD	3:30:00 PM	27888						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD.fx	9:30:00 AM	27889						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD.fx	11:30:00 AM	27890						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFSGD.fx	1:30:00 PM	27891						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	CHFSGD.fx	3:30:00 PM	27892						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFZAR	9:30:00 AM	27893						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFZAR	11:30:00 AM	27894						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFZAR	1:30:00 PM	27895						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CHFZAR	3:30:00 PM	27896						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CZKJPY	9:30:00 AM	27897						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CZKJPY	11:30:00 AM	27898						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CZKJPY	1:30:00 PM	27899						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	CZKJPY	3:30:00 PM	27900						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DAX30.i	9:30:00 AM	27901						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DAX30.i	11:30:00 AM	27902						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DAX30.i	1:30:00 PM	27903						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DAX30.i	3:30:00 PM	27904						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DJ30.i	9:30:00 AM	27905						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DJ30.i	11:30:00 AM	27906						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DJ30.i	1:30:00 PM	27907						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DJ30.i	3:30:00 PM	27908						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DKKJPY	9:30:00 AM	27909						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DKKJPY	11:30:00 AM	27910						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DKKJPY	1:30:00 PM	27911						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	DKKJPY	3:30:00 PM	27912						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD	9:30:00 AM	27913						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD	11:30:00 AM	27914						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD	1:30:00 PM	27915						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD	3:30:00 PM	27916						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD.fx	9:30:00 AM	27917						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD.fx	11:30:00 AM	27918						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD.fx	1:30:00 PM	27919						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURAUD.fx	3:30:00 PM	27920						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD	9:30:00 AM	27921						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD	11:30:00 AM	27922						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD	1:30:00 PM	27923						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD	3:30:00 PM	27924						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD.fx	9:30:00 AM	27925						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	EURCAD.fx	11:30:00 AM	27926						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD.fx	1:30:00 PM	27927						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCAD.fx	3:30:00 PM	27928						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF	9:30:00 AM	27929						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF	11:30:00 AM	27930						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF	1:30:00 PM	27931						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF	3:30:00 PM	27932						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF.fx	9:30:00 AM	27933						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF.fx	11:30:00 AM	27934						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF.fx	1:30:00 PM	27935						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCHF.fx	3:30:00 PM	27936						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCZK	9:30:00 AM	27937						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCZK	11:30:00 AM	27938						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCZK	1:30:00 PM	27939						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURCZK	3:30:00 PM	27940						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURDKK	9:30:00 AM	27941						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURDKK	11:30:00 AM	27942						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURDKK	1:30:00 PM	27943						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURDKK	3:30:00 PM	27944						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP	9:30:00 AM	27945						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP	11:30:00 AM	27946						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP	1:30:00 PM	27947						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP	3:30:00 PM	27948						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP.fx	9:30:00 AM	27949						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP.fx	11:30:00 AM	27950						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP.fx	1:30:00 PM	27951						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURGBP.fx	3:30:00 PM	27952						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD	9:30:00 AM	27953						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD	11:30:00 AM	27954						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD	1:30:00 PM	27955						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD	3:30:00 PM	27956						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD.fx	9:30:00 AM	27957						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD.fx	11:30:00 AM	27958						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHKD.fx	1:30:00 PM	27959						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	EURHKD.fx	3:30:00 PM	27960						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF	9:30:00 AM	27961						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF	11:30:00 AM	27962						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF	1:30:00 PM	27963						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF	3:30:00 PM	27964						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF.fx	9:30:00 AM	27965						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF.fx	11:30:00 AM	27966						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF.fx	1:30:00 PM	27967						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURHUF.fx	3:30:00 PM	27968						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY	9:30:00 AM	27969						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY	11:30:00 AM	27970						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY	1:30:00 PM	27971						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY	3:30:00 PM	27972						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY.fx	9:30:00 AM	27973						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY.fx	11:30:00 AM	27974						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY.fx	1:30:00 PM	27975						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURJPY.fx	3:30:00 PM	27976						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN	9:30:00 AM	27977						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN	11:30:00 AM	27978						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN	1:30:00 PM	27979						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN	3:30:00 PM	27980						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN.fx	9:30:00 AM	27981						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN.fx	11:30:00 AM	27982						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN.fx	1:30:00 PM	27983						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURMXN.fx	3:30:00 PM	27984						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK	9:30:00 AM	27985						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK	11:30:00 AM	27986						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK	1:30:00 PM	27987						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK	3:30:00 PM	27988						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK.fx	9:30:00 AM	27989						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK.fx	11:30:00 AM	27990						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK.fx	1:30:00 PM	27991						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNOK.fx	3:30:00 PM	27992						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD	9:30:00 AM	27993						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	EURNZD	11:30:00 AM	27994						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD	1:30:00 PM	27995						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD	3:30:00 PM	27996						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD.fx	9:30:00 AM	27997						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD.fx	11:30:00 AM	27998						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD.fx	1:30:00 PM	27999						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURNZD.fx	3:30:00 PM	28000						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN	9:30:00 AM	28001						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN	11:30:00 AM	28002						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN	1:30:00 PM	28003						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN	3:30:00 PM	28004						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN.fx	9:30:00 AM	28005						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN.fx	11:30:00 AM	28006						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN.fx	1:30:00 PM	28007						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURPLN.fx	3:30:00 PM	28008						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURRUB	9:30:00 AM	28009						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURRUB	11:30:00 AM	28010						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURRUB	1:30:00 PM	28011						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURRUB	3:30:00 PM	28012						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK	9:30:00 AM	28013						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK	11:30:00 AM	28014						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK	1:30:00 PM	28015						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK	3:30:00 PM	28016						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK.fx	9:30:00 AM	28017						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK.fx	11:30:00 AM	28018						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK.fx	1:30:00 PM	28019						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSEK.fx	3:30:00 PM	28020						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD	9:30:00 AM	28021						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD	11:30:00 AM	28022						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD	1:30:00 PM	28023						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD	3:30:00 PM	28024						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD.fx	9:30:00 AM	28025						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD.fx	11:30:00 AM	28026						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURSGD.fx	1:30:00 PM	28027						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	EURSGD.fx	3:30:00 PM	28028						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD	9:30:00 AM	28029						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD	11:30:00 AM	28030						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD	1:30:00 PM	28031						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD	3:30:00 PM	28032						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD.fx	9:30:00 AM	28033						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD.fx	11:30:00 AM	28034						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD.fx	1:30:00 PM	28035						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURUSD.fx	3:30:00 PM	28036						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR	9:30:00 AM	28037						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR	11:30:00 AM	28038						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR	1:30:00 PM	28039						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR	3:30:00 PM	28040						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR.fx	9:30:00 AM	28041						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR.fx	11:30:00 AM	28042						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR.fx	1:30:00 PM	28043						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	EURZAR.fx	3:30:00 PM	28044						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD	9:30:00 AM	28045						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD	11:30:00 AM	28046						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD	1:30:00 PM	28047						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD	3:30:00 PM	28048						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD.fx	9:30:00 AM	28049						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD.fx	11:30:00 AM	28050						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD.fx	1:30:00 PM	28051						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPAUD.fx	3:30:00 PM	28052						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD	9:30:00 AM	28053						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD	11:30:00 AM	28054						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD	1:30:00 PM	28055						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD	3:30:00 PM	28056						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD.fx	9:30:00 AM	28057						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD.fx	11:30:00 AM	28058						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD.fx	1:30:00 PM	28059						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCAD.fx	3:30:00 PM	28060						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHEF	9:30:00 AM	28061						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	GBPCHF	11:30:00 AM	28062						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF	1:30:00 PM	28063						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF	3:30:00 PM	28064						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF.fx	9:30:00 AM	28065						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF.fx	11:30:00 AM	28066						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF.fx	1:30:00 PM	28067						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCHF.fx	3:30:00 PM	28068						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCZK	9:30:00 AM	28069						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCZK	11:30:00 AM	28070						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCZK	1:30:00 PM	28071						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPCZK	3:30:00 PM	28072						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK	9:30:00 AM	28073						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK	11:30:00 AM	28074						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK	1:30:00 PM	28075						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK	3:30:00 PM	28076						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK.fx	9:30:00 AM	28077						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK.fx	11:30:00 AM	28078						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK.fx	1:30:00 PM	28079						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPDKK.fx	3:30:00 PM	28080						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHKD	9:30:00 AM	28081						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHKD	11:30:00 AM	28082						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHKD	1:30:00 PM	28083						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHKD	3:30:00 PM	28084						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHUF	9:30:00 AM	28085						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHUF	11:30:00 AM	28086						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHUF	1:30:00 PM	28087						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPHUF	3:30:00 PM	28088						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY	9:30:00 AM	28089						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY	11:30:00 AM	28090						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY	1:30:00 PM	28091						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY	3:30:00 PM	28092						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY.fx	9:30:00 AM	28093						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY.fx	11:30:00 AM	28094						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPJPY.fx	1:30:00 PM	28095						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	GBPJPY.fx	3:30:00 PM	28096						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPMXN	9:30:00 AM	28097						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPMXN	11:30:00 AM	28098						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPMXN	1:30:00 PM	28099						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPMXN	3:30:00 PM	28100						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK	9:30:00 AM	28101						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK	11:30:00 AM	28102						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK	1:30:00 PM	28103						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK	3:30:00 PM	28104						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK.fx	9:30:00 AM	28105						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK.fx	11:30:00 AM	28106						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK.fx	1:30:00 PM	28107						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNOK.fx	3:30:00 PM	28108						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD	9:30:00 AM	28109						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD	11:30:00 AM	28110						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD	1:30:00 PM	28111						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD	3:30:00 PM	28112						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD.fx	9:30:00 AM	28113						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD.fx	11:30:00 AM	28114						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD.fx	1:30:00 PM	28115						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPNZD.fx	3:30:00 PM	28116						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN	9:30:00 AM	28117						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN	11:30:00 AM	28118						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN	1:30:00 PM	28119						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN	3:30:00 PM	28120						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN.fx	9:30:00 AM	28121						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN.fx	11:30:00 AM	28122						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN.fx	1:30:00 PM	28123						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPPLN.fx	3:30:00 PM	28124						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK	9:30:00 AM	28125						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK	11:30:00 AM	28126						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK	1:30:00 PM	28127						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK	3:30:00 PM	28128						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK.fx	9:30:00 AM	28129						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	GBPSEK.fx	11:30:00 AM	28130						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK.fx	1:30:00 PM	28131						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSEK.fx	3:30:00 PM	28132						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD	9:30:00 AM	28133						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD	11:30:00 AM	28134						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD	1:30:00 PM	28135						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD	3:30:00 PM	28136						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD.fx	9:30:00 AM	28137						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD.fx	11:30:00 AM	28138						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD.fx	1:30:00 PM	28139						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPSGD.fx	3:30:00 PM	28140						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD	9:30:00 AM	28141						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD	11:30:00 AM	28142						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD	1:30:00 PM	28143						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD	3:30:00 PM	28144						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD.fx	9:30:00 AM	28145						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD.fx	11:30:00 AM	28146						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD.fx	1:30:00 PM	28147						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPUSD.fx	3:30:00 PM	28148						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR	9:30:00 AM	28149						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR	11:30:00 AM	28150						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR	1:30:00 PM	28151						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR	3:30:00 PM	28152						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR.fx	9:30:00 AM	28153						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR.fx	11:30:00 AM	28154						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR.fx	1:30:00 PM	28155						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GBPZAR.fx	3:30:00 PM	28156						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GOLD	9:30:00 AM	28157						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GOLD	11:30:00 AM	28158						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GOLD	1:30:00 PM	28159						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	GOLD	3:30:00 PM	28160						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY	9:30:00 AM	28161						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY	11:30:00 AM	28162						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY	1:30:00 PM	28163						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	HKDJPY	3:30:00 PM	28164						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY.fx	9:30:00 AM	28165						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY.fx	11:30:00 AM	28166						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY.fx	1:30:00 PM	28167						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HKDJPY.fx	3:30:00 PM	28168						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HUFJPY	9:30:00 AM	28169						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HUFJPY	11:30:00 AM	28170						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HUFJPY	1:30:00 PM	28171						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	HUFJPY	3:30:00 PM	28172						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JP225.i	9:30:00 AM	28173						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JP225.i	11:30:00 AM	28174						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JP225.i	1:30:00 PM	28175						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JP225.i	3:30:00 PM	28176						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	MXNJPY	9:30:00 AM	28177						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	MXNJPY	11:30:00 AM	28178						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	MXNJPY	1:30:00 PM	28179						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	MXNJPY	3:30:00 PM	28180						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NASDAQ.i	9:30:00 AM	28181						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NASDAQ.i	11:30:00 AM	28182						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NASDAQ.i	1:30:00 PM	28183						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NASDAQ.i	3:30:00 PM	28184						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY	9:30:00 AM	28185						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY	11:30:00 AM	28186						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY	1:30:00 PM	28187						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY	3:30:00 PM	28188						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY.fx	9:30:00 AM	28189						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY.fx	11:30:00 AM	28190						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY.fx	1:30:00 PM	28191						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NOKJPY.fx	3:30:00 PM	28192						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD	9:30:00 AM	28193						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD	11:30:00 AM	28194						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD	1:30:00 PM	28195						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD	3:30:00 PM	28196						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD.fx	9:30:00 AM	28197						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	NZDCAD.fx	11:30:00 AM	28198						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD.fx	1:30:00 PM	28199						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCAD.fx	3:30:00 PM	28200						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF	9:30:00 AM	28201						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF	11:30:00 AM	28202						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF	1:30:00 PM	28203						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF	3:30:00 PM	28204						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF.fx	9:30:00 AM	28205						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF.fx	11:30:00 AM	28206						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF.fx	1:30:00 PM	28207						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCHF.fx	3:30:00 PM	28208						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCZK	9:30:00 AM	28209						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCZK	11:30:00 AM	28210						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCZK	1:30:00 PM	28211						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDCZK	3:30:00 PM	28212						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDDKK	9:30:00 AM	28213						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDDKK	11:30:00 AM	28214						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDDKK	1:30:00 PM	28215						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDDKK	3:30:00 PM	28216						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHKD	9:30:00 AM	28217						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHKD	11:30:00 AM	28218						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHKD	1:30:00 PM	28219						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHKD	3:30:00 PM	28220						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHUF	9:30:00 AM	28221						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHUF	11:30:00 AM	28222						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHUF	1:30:00 PM	28223						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDHUF	3:30:00 PM	28224						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY	9:30:00 AM	28225						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY	11:30:00 AM	28226						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY	1:30:00 PM	28227						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY	3:30:00 PM	28228						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY.fx	9:30:00 AM	28229						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY.fx	11:30:00 AM	28230						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDJPY.fx	1:30:00 PM	28231						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	NZDJPY.fx	3:30:00 PM	28232						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDMXN	9:30:00 AM	28233						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDMXN	11:30:00 AM	28234						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDMXN	1:30:00 PM	28235						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDMXN	3:30:00 PM	28236						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDNOK	9:30:00 AM	28237						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDNOK	11:30:00 AM	28238						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDNOK	1:30:00 PM	28239						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDNOK	3:30:00 PM	28240						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDPLN	9:30:00 AM	28241						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDPLN	11:30:00 AM	28242						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDPLN	1:30:00 PM	28243						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDPLN	3:30:00 PM	28244						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSEK	9:30:00 AM	28245						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSEK	11:30:00 AM	28246						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSEK	1:30:00 PM	28247						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSEK	3:30:00 PM	28248						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD	9:30:00 AM	28249						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD	11:30:00 AM	28250						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD	1:30:00 PM	28251						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD	3:30:00 PM	28252						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD.fx	9:30:00 AM	28253						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD.fx	11:30:00 AM	28254						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD.fx	1:30:00 PM	28255						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDSGD.fx	3:30:00 PM	28256						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD	9:30:00 AM	28257						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD	11:30:00 AM	28258						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD	1:30:00 PM	28259						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD	3:30:00 PM	28260						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD.fx	9:30:00 AM	28261						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD.fx	11:30:00 AM	28262						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD.fx	1:30:00 PM	28263						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDUSD.fx	3:30:00 PM	28264						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDZAR	9:30:00 AM	28265						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	NZDZAR	11:30:00 AM	28266						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDZAR	1:30:00 PM	28267						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	NZDZAR	3:30:00 PM	28268						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY	9:30:00 AM	28269						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY	11:30:00 AM	28270						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY	1:30:00 PM	28271						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY	3:30:00 PM	28272						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY.fx	9:30:00 AM	28273						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY.fx	11:30:00 AM	28274						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY.fx	1:30:00 PM	28275						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SEKJPY.fx	3:30:00 PM	28276						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SGDJPY	9:30:00 AM	28277						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SGDJPY	11:30:00 AM	28278						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SGDJPY	1:30:00 PM	28279						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SGDJPY	3:30:00 PM	28280						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SILVER	9:30:00 AM	28281						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SILVER	11:30:00 AM	28282						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SILVER	1:30:00 PM	28283						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SILVER	3:30:00 PM	28284						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SPX500.i	9:30:00 AM	28285						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SPX500.i	11:30:00 AM	28286						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SPX500.i	1:30:00 PM	28287						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	SPX500.i	3:30:00 PM	28288						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	UK100.i	9:30:00 AM	28289						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	UK100.i	11:30:00 AM	28290						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	UK100.i	1:30:00 PM	28291						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	UK100.i	3:30:00 PM	28292						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD	9:30:00 AM	28293						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD	11:30:00 AM	28294						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD	1:30:00 PM	28295						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD	3:30:00 PM	28296						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD.fx	9:30:00 AM	28297						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD.fx	11:30:00 AM	28298						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCAD.fx	1:30:00 PM	28299						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	USDCAD.fx	3:30:00 PM	28300						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF	9:30:00 AM	28301						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF	11:30:00 AM	28302						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF	1:30:00 PM	28303						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF	3:30:00 PM	28304						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF.fx	9:30:00 AM	28305						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF.fx	11:30:00 AM	28306						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF.fx	1:30:00 PM	28307						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCHF.fx	3:30:00 PM	28308						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK	9:30:00 AM	28309						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK	11:30:00 AM	28310						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK	1:30:00 PM	28311						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK	3:30:00 PM	28312						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK.fx	9:30:00 AM	28313						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK.fx	11:30:00 AM	28314						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK.fx	1:30:00 PM	28315						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDCZK.fx	3:30:00 PM	28316						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK	9:30:00 AM	28317						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK	11:30:00 AM	28318						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK	1:30:00 PM	28319						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK	3:30:00 PM	28320						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK.fx	9:30:00 AM	28321						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK.fx	11:30:00 AM	28322						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK.fx	1:30:00 PM	28323						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDDKK.fx	3:30:00 PM	28324						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD	9:30:00 AM	28325						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD	11:30:00 AM	28326						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD	1:30:00 PM	28327						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD	3:30:00 PM	28328						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD.fx	9:30:00 AM	28329						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD.fx	11:30:00 AM	28330						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD.fx	1:30:00 PM	28331						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHKD.fx	3:30:00 PM	28332						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF	9:30:00 AM	28333						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	USDHUF	11:30:00 AM	28334						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF	1:30:00 PM	28335						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF	3:30:00 PM	28336						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF.fx	9:30:00 AM	28337						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF.fx	11:30:00 AM	28338						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF.fx	1:30:00 PM	28339						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDHUF.fx	3:30:00 PM	28340						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDINR	9:30:00 AM	28341						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDINR	11:30:00 AM	28342						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDINR	1:30:00 PM	28343						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDINR	3:30:00 PM	28344						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY	9:30:00 AM	28345						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY	11:30:00 AM	28346						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY	1:30:00 PM	28347						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY	3:30:00 PM	28348						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY.fx	9:30:00 AM	28349						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY.fx	11:30:00 AM	28350						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY.fx	1:30:00 PM	28351						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDJPY.fx	3:30:00 PM	28352						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDMXN	9:30:00 AM	28353						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDMXN	11:30:00 AM	28354						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDMXN	1:30:00 PM	28355						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDMXN	3:30:00 PM	28356						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JSDMXN.fx	9:30:00 AM	28357						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JSDMXN.fx	11:30:00 AM	28358						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JSDMXN.fx	1:30:00 PM	28359						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	JSDMXN.fx	3:30:00 PM	28360						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK	9:30:00 AM	28361						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK	11:30:00 AM	28362						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK	1:30:00 PM	28363						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK	3:30:00 PM	28364						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK.fx	9:30:00 AM	28365						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK.fx	11:30:00 AM	28366						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDNOK.fx	1:30:00 PM	28367						Continuous Quote	N/A	ELECTRONIC	N/A

10/24/2019	USDNOK.fx	3:30:00 PM	28368						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDPLN	9:30:00 AM	28369						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDPLN	11:30:00 AM	28370						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDPLN	1:30:00 PM	28371						Continuous Quote	N/A	ELECTRONIC	N/A
10/24/2019	USDPLN	3:30:00 PM	28372						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	#SPY	1:30:00 PM	28779						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	#UPS	1:30:00 PM	28819						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	#YHOO	3:30:00 PM	28856						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	#ZNGA	9:30:00 AM	28857						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	CADDDKK	9:30:00 AM	28973						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	CADDDKK	1:30:00 PM	28975						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADDDKK	3:30:00 PM	28976						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHKD	9:30:00 AM	28977						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHKD	11:30:00 AM	28978						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHKD	1:30:00 PM	28979						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	CADHKD	3:30:00 PM	28980						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHUF	9:30:00 AM	28981						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHUF	11:30:00 AM	28982						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHUF	1:30:00 PM	28983						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADHUF	3:30:00 PM	28984						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY	9:30:00 AM	28985						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY	11:30:00 AM	28986						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY	1:30:00 PM	28987						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY	3:30:00 PM	28988						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY.fx	9:30:00 AM	28989						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY.fx	11:30:00 AM	28990						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY.fx	1:30:00 PM	28991						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADJPY.fx	3:30:00 PM	28992						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADMXN	9:30:00 AM	28993						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADMXN	11:30:00 AM	28994						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADMXN	1:30:00 PM	28995						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADMXN	3:30:00 PM	28996						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADNOK	9:30:00 AM	28997						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADNOK	11:30:00 AM	28998						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADNOK	1:30:00 PM	28999						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADNOK	3:30:00 PM	29000						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADPLN	9:30:00 AM	29001						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADPLN	11:30:00 AM	29002						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADPLN	1:30:00 PM	29003						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADPLN	3:30:00 PM	29004						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSEK	9:30:00 AM	29005						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSEK	11:30:00 AM	29006						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSEK	1:30:00 PM	29007						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSEK	3:30:00 PM	29008						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSGD	9:30:00 AM	29009						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSGD	11:30:00 AM	29010						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSGD	1:30:00 PM	29011						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADSGD	3:30:00 PM	29012						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADZAR	9:30:00 AM	29013						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	CADZAR	11:30:00 AM	29014						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADZAR	1:30:00 PM	29015						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CADZAR	3:30:00 PM	29016						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFCZK	9:30:00 AM	29017						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFCZK	11:30:00 AM	29018						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFCZK	1:30:00 PM	29019						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFCZK	3:30:00 PM	29020						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK	9:30:00 AM	29021						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK	11:30:00 AM	29022						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK	1:30:00 PM	29023						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK	3:30:00 PM	29024						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK.fx	9:30:00 AM	29025						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK.fx	11:30:00 AM	29026						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK.fx	1:30:00 PM	29027						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFDKK.fx	3:30:00 PM	29028						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHKD	9:30:00 AM	29029						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHKD	11:30:00 AM	29030						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHKD	1:30:00 PM	29031						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHKD	3:30:00 PM	29032						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHUF	9:30:00 AM	29033						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHUF	11:30:00 AM	29034						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHUF	1:30:00 PM	29035						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFHUF	3:30:00 PM	29036						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY	9:30:00 AM	29037						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY	11:30:00 AM	29038						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY	1:30:00 PM	29039						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY	3:30:00 PM	29040						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY.fx	9:30:00 AM	29041						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY.fx	11:30:00 AM	29042						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY.fx	1:30:00 PM	29043						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFJPY.fx	3:30:00 PM	29044						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFMXN	9:30:00 AM	29045						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFMXN	11:30:00 AM	29046						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFMXN	1:30:00 PM	29047						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	CHFMXN	3:30:00 PM	29048						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK	9:30:00 AM	29049						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK	11:30:00 AM	29050						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK	1:30:00 PM	29051						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK	3:30:00 PM	29052						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK.fx	9:30:00 AM	29053						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK.fx	11:30:00 AM	29054						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK.fx	1:30:00 PM	29055						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFNOK.fx	3:30:00 PM	29056						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN	9:30:00 AM	29057						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN	11:30:00 AM	29058						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN	1:30:00 PM	29059						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN	3:30:00 PM	29060						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN.fx	9:30:00 AM	29061						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN.fx	11:30:00 AM	29062						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN.fx	1:30:00 PM	29063						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFPLN.fx	3:30:00 PM	29064						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSEK	9:30:00 AM	29065						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSEK	11:30:00 AM	29066						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSEK	1:30:00 PM	29067						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSEK	3:30:00 PM	29068						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD	9:30:00 AM	29069						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD	11:30:00 AM	29070						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD	1:30:00 PM	29071						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD	3:30:00 PM	29072						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD.fx	9:30:00 AM	29073						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD.fx	11:30:00 AM	29074						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD.fx	1:30:00 PM	29075						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFSGD.fx	3:30:00 PM	29076						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFZAR	9:30:00 AM	29077						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFZAR	11:30:00 AM	29078						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFZAR	1:30:00 PM	29079						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CHFZAR	3:30:00 PM	29080						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CZKJPY	9:30:00 AM	29081						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	CZKJPY	11:30:00 AM	29082						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CZKJPY	1:30:00 PM	29083						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	CZKJPY	3:30:00 PM	29084						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DAX30.i	9:30:00 AM	29085						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DAX30.i	11:30:00 AM	29086						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DAX30.i	1:30:00 PM	29087						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DAX30.i	3:30:00 PM	29088						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DJ30.i	9:30:00 AM	29089						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DJ30.i	11:30:00 AM	29090						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DJ30.i	1:30:00 PM	29091						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DJ30.i	3:30:00 PM	29092						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DKKJPY	9:30:00 AM	29093						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DKKJPY	11:30:00 AM	29094						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DKKJPY	1:30:00 PM	29095						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	DKKJPY	3:30:00 PM	29096						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD	9:30:00 AM	29097						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD	11:30:00 AM	29098						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD	1:30:00 PM	29099						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD	3:30:00 PM	29100						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD.fx	9:30:00 AM	29101						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD.fx	11:30:00 AM	29102						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD.fx	1:30:00 PM	29103						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURAUD.fx	3:30:00 PM	29104						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD	9:30:00 AM	29105						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD	11:30:00 AM	29106						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD	1:30:00 PM	29107						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD	3:30:00 PM	29108						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD.fx	9:30:00 AM	29109						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD.fx	11:30:00 AM	29110						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD.fx	1:30:00 PM	29111						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCAD.fx	3:30:00 PM	29112						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF	9:30:00 AM	29113						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF	11:30:00 AM	29114						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF	1:30:00 PM	29115						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	EURCHF	3:30:00 PM	29116						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF.fx	9:30:00 AM	29117						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF.fx	11:30:00 AM	29118						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF.fx	1:30:00 PM	29119						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCHF.fx	3:30:00 PM	29120						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCZK	9:30:00 AM	29121						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCZK	11:30:00 AM	29122						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCZK	1:30:00 PM	29123						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURCZK	3:30:00 PM	29124						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURDKK	9:30:00 AM	29125						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURDKK	11:30:00 AM	29126						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURDKK	1:30:00 PM	29127						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURDKK	3:30:00 PM	29128						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP	9:30:00 AM	29129						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP	11:30:00 AM	29130						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP	1:30:00 PM	29131						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP	3:30:00 PM	29132						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP.fx	9:30:00 AM	29133						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP.fx	11:30:00 AM	29134						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP.fx	1:30:00 PM	29135						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURGBP.fx	3:30:00 PM	29136						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD	9:30:00 AM	29137						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD	11:30:00 AM	29138						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD	1:30:00 PM	29139						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD	3:30:00 PM	29140						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD.fx	9:30:00 AM	29141						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD.fx	11:30:00 AM	29142						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD.fx	1:30:00 PM	29143						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHKD.fx	3:30:00 PM	29144						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF	9:30:00 AM	29145						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF	11:30:00 AM	29146						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF	1:30:00 PM	29147						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF	3:30:00 PM	29148						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF.fx	9:30:00 AM	29149						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	EURHUF.fx	11:30:00 AM	29150						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF.fx	1:30:00 PM	29151						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURHUF.fx	3:30:00 PM	29152						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY	9:30:00 AM	29153						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY	11:30:00 AM	29154						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY	1:30:00 PM	29155						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY	3:30:00 PM	29156						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY.fx	9:30:00 AM	29157						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY.fx	11:30:00 AM	29158						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY.fx	1:30:00 PM	29159						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURJPY.fx	3:30:00 PM	29160						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN	9:30:00 AM	29161						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN	11:30:00 AM	29162						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN	1:30:00 PM	29163						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN	3:30:00 PM	29164						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN.fx	9:30:00 AM	29165						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN.fx	11:30:00 AM	29166						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN.fx	1:30:00 PM	29167						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURMXN.fx	3:30:00 PM	29168						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK	9:30:00 AM	29169						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK	11:30:00 AM	29170						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK	1:30:00 PM	29171						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK	3:30:00 PM	29172						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK.fx	9:30:00 AM	29173						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK.fx	11:30:00 AM	29174						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK.fx	1:30:00 PM	29175						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNOK.fx	3:30:00 PM	29176						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD	9:30:00 AM	29177						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD	11:30:00 AM	29178						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD	1:30:00 PM	29179						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD	3:30:00 PM	29180						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD.fx	9:30:00 AM	29181						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD.fx	11:30:00 AM	29182						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURNZD.fx	1:30:00 PM	29183						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	EURNZD.fx	3:30:00 PM	29184						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN	9:30:00 AM	29185						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN	11:30:00 AM	29186						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN	1:30:00 PM	29187						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN	3:30:00 PM	29188						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN.fx	9:30:00 AM	29189						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN.fx	11:30:00 AM	29190						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN.fx	1:30:00 PM	29191						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURPLN.fx	3:30:00 PM	29192						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURRUB	9:30:00 AM	29193						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURRUB	11:30:00 AM	29194						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURRUB	1:30:00 PM	29195						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURRUB	3:30:00 PM	29196						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK	9:30:00 AM	29197						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK	11:30:00 AM	29198						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK	1:30:00 PM	29199						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK	3:30:00 PM	29200						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK.fx	9:30:00 AM	29201						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK.fx	11:30:00 AM	29202						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK.fx	1:30:00 PM	29203						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSEK.fx	3:30:00 PM	29204						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD	9:30:00 AM	29205						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD	11:30:00 AM	29206						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD	1:30:00 PM	29207						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD	3:30:00 PM	29208						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD.fx	9:30:00 AM	29209						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD.fx	11:30:00 AM	29210						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD.fx	1:30:00 PM	29211						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURSGD.fx	3:30:00 PM	29212						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD	9:30:00 AM	29213						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD	11:30:00 AM	29214						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD	1:30:00 PM	29215						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD	3:30:00 PM	29216						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD.fx	9:30:00 AM	29217						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	EURUSD.fx	11:30:00 AM	29218						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD.fx	1:30:00 PM	29219						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURUSD.fx	3:30:00 PM	29220						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR	9:30:00 AM	29221						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR	11:30:00 AM	29222						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR	1:30:00 PM	29223						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR	3:30:00 PM	29224						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR.fx	9:30:00 AM	29225						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR.fx	11:30:00 AM	29226						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR.fx	1:30:00 PM	29227						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	EURZAR.fx	3:30:00 PM	29228						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD	9:30:00 AM	29229						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD	11:30:00 AM	29230						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD	1:30:00 PM	29231						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD	3:30:00 PM	29232						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD.fx	9:30:00 AM	29233						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD.fx	11:30:00 AM	29234						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD.fx	1:30:00 PM	29235						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPAUD.fx	3:30:00 PM	29236						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD	9:30:00 AM	29237						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD	11:30:00 AM	29238						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD	1:30:00 PM	29239						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD	3:30:00 PM	29240						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD.fx	9:30:00 AM	29241						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD.fx	11:30:00 AM	29242						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD.fx	1:30:00 PM	29243						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCAD.fx	3:30:00 PM	29244						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF	9:30:00 AM	29245						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF	11:30:00 AM	29246						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF	1:30:00 PM	29247						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF	3:30:00 PM	29248						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF.fx	9:30:00 AM	29249						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF.fx	11:30:00 AM	29250						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCHF.fx	1:30:00 PM	29251						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	GBPCHF.fx	3:30:00 PM	29252						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCZK	9:30:00 AM	29253						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCZK	11:30:00 AM	29254						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCZK	1:30:00 PM	29255						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPCZK	3:30:00 PM	29256						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK	9:30:00 AM	29257						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK	11:30:00 AM	29258						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK	1:30:00 PM	29259						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK	3:30:00 PM	29260						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK.fx	9:30:00 AM	29261						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK.fx	11:30:00 AM	29262						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK.fx	1:30:00 PM	29263						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPDKK.fx	3:30:00 PM	29264						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHKD	9:30:00 AM	29265						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHKD	11:30:00 AM	29266						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHKD	1:30:00 PM	29267						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHKD	3:30:00 PM	29268						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHUF	9:30:00 AM	29269						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHUF	11:30:00 AM	29270						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHUF	1:30:00 PM	29271						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPHUF	3:30:00 PM	29272						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY	9:30:00 AM	29273						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY	11:30:00 AM	29274						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY	1:30:00 PM	29275						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY	3:30:00 PM	29276						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY.fx	9:30:00 AM	29277						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY.fx	11:30:00 AM	29278						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY.fx	1:30:00 PM	29279						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPJPY.fx	3:30:00 PM	29280						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPMXN	9:30:00 AM	29281						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPMXN	11:30:00 AM	29282						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPMXN	1:30:00 PM	29283						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPMXN	3:30:00 PM	29284						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK	9:30:00 AM	29285						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	GBPNOK	11:30:00 AM	29286						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK	1:30:00 PM	29287						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK	3:30:00 PM	29288						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK.fx	9:30:00 AM	29289						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK.fx	11:30:00 AM	29290						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK.fx	1:30:00 PM	29291						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNOK.fx	3:30:00 PM	29292						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD	9:30:00 AM	29293						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD	11:30:00 AM	29294						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD	1:30:00 PM	29295						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD	3:30:00 PM	29296						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD.fx	9:30:00 AM	29297						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD.fx	11:30:00 AM	29298						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD.fx	1:30:00 PM	29299						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPNZD.fx	3:30:00 PM	29300						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN	9:30:00 AM	29301						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN	11:30:00 AM	29302						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN	1:30:00 PM	29303						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN	3:30:00 PM	29304						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN.fx	9:30:00 AM	29305						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN.fx	11:30:00 AM	29306						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN.fx	1:30:00 PM	29307						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPPLN.fx	3:30:00 PM	29308						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK	9:30:00 AM	29309						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK	11:30:00 AM	29310						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK	1:30:00 PM	29311						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK	3:30:00 PM	29312						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK.fx	9:30:00 AM	29313						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK.fx	11:30:00 AM	29314						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK.fx	1:30:00 PM	29315						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSEK.fx	3:30:00 PM	29316						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD	9:30:00 AM	29317						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD	11:30:00 AM	29318						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD	1:30:00 PM	29319						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	GBPSGD	3:30:00 PM	29320						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD.fx	9:30:00 AM	29321						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD.fx	11:30:00 AM	29322						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD.fx	1:30:00 PM	29323						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPSGD.fx	3:30:00 PM	29324						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD	9:30:00 AM	29325						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD	11:30:00 AM	29326						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD	1:30:00 PM	29327						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD	3:30:00 PM	29328						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD.fx	9:30:00 AM	29329						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD.fx	11:30:00 AM	29330						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD.fx	1:30:00 PM	29331						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPUSD.fx	3:30:00 PM	29332						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR	9:30:00 AM	29333						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR	11:30:00 AM	29334						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR	1:30:00 PM	29335						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR	3:30:00 PM	29336						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR.fx	9:30:00 AM	29337						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR.fx	11:30:00 AM	29338						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR.fx	1:30:00 PM	29339						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GBPZAR.fx	3:30:00 PM	29340						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GOLD	9:30:00 AM	29341						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GOLD	11:30:00 AM	29342						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GOLD	1:30:00 PM	29343						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	GOLD	3:30:00 PM	29344						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY	9:30:00 AM	29345						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY	11:30:00 AM	29346						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY	1:30:00 PM	29347						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY	3:30:00 PM	29348						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY.fx	9:30:00 AM	29349						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY.fx	11:30:00 AM	29350						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY.fx	1:30:00 PM	29351						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HKDJPY.fx	3:30:00 PM	29352						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HUFJPY	9:30:00 AM	29353						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	HUFJPY	11:30:00 AM	29354						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HUFJPY	1:30:00 PM	29355						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	HUFJPY	3:30:00 PM	29356						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JP225.i	9:30:00 AM	29357						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JP225.i	11:30:00 AM	29358						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JP225.i	1:30:00 PM	29359						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JP225.i	3:30:00 PM	29360						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	MXNJPY	9:30:00 AM	29361						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	MXNJPY	11:30:00 AM	29362						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	MXNJPY	1:30:00 PM	29363						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	MXNJPY	3:30:00 PM	29364						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NASDAQ.i	9:30:00 AM	29365						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NASDAQ.i	11:30:00 AM	29366						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NASDAQ.i	1:30:00 PM	29367						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NASDAQ.i	3:30:00 PM	29368						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY	9:30:00 AM	29369						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY	11:30:00 AM	29370						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY	1:30:00 PM	29371						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY	3:30:00 PM	29372						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY.fx	9:30:00 AM	29373						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY.fx	11:30:00 AM	29374						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY.fx	1:30:00 PM	29375						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NOKJPY.fx	3:30:00 PM	29376						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD	9:30:00 AM	29377						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD	11:30:00 AM	29378						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD	1:30:00 PM	29379						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD	3:30:00 PM	29380						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD.fx	9:30:00 AM	29381						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD.fx	11:30:00 AM	29382						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD.fx	1:30:00 PM	29383						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCAD.fx	3:30:00 PM	29384						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF	9:30:00 AM	29385						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF	11:30:00 AM	29386						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF	1:30:00 PM	29387						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	NZDCHF	3:30:00 PM	29388						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF.fx	9:30:00 AM	29389						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF.fx	11:30:00 AM	29390						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF.fx	1:30:00 PM	29391						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCHF.fx	3:30:00 PM	29392						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCZK	9:30:00 AM	29393						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCZK	11:30:00 AM	29394						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCZK	1:30:00 PM	29395						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDCZK	3:30:00 PM	29396						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDDKK	9:30:00 AM	29397						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDDKK	11:30:00 AM	29398						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDDKK	1:30:00 PM	29399						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDDKK	3:30:00 PM	29400						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHKD	9:30:00 AM	29401						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHKD	11:30:00 AM	29402						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHKD	1:30:00 PM	29403						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHKD	3:30:00 PM	29404						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHUF	9:30:00 AM	29405						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHUF	11:30:00 AM	29406						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHUF	1:30:00 PM	29407						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDHUF	3:30:00 PM	29408						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY	9:30:00 AM	29409						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY	11:30:00 AM	29410						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY	1:30:00 PM	29411						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY	3:30:00 PM	29412						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY.fx	9:30:00 AM	29413						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY.fx	11:30:00 AM	29414						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY.fx	1:30:00 PM	29415						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDJPY.fx	3:30:00 PM	29416						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDMXN	9:30:00 AM	29417						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDMXN	11:30:00 AM	29418						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDMXN	1:30:00 PM	29419						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDMXN	3:30:00 PM	29420						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDNOK	9:30:00 AM	29421						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	NZDNOK	11:30:00 AM	29422						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDNOK	1:30:00 PM	29423						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDNOK	3:30:00 PM	29424						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDPLN	9:30:00 AM	29425						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDPLN	11:30:00 AM	29426						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDPLN	1:30:00 PM	29427						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDPLN	3:30:00 PM	29428						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSEK	9:30:00 AM	29429						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSEK	11:30:00 AM	29430						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSEK	1:30:00 PM	29431						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSEK	3:30:00 PM	29432						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD	9:30:00 AM	29433						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD	11:30:00 AM	29434						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD	1:30:00 PM	29435						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD	3:30:00 PM	29436						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD.fx	9:30:00 AM	29437						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD.fx	11:30:00 AM	29438						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD.fx	1:30:00 PM	29439						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDSGD.fx	3:30:00 PM	29440						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD	9:30:00 AM	29441						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD	11:30:00 AM	29442						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD	1:30:00 PM	29443						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD	3:30:00 PM	29444						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD.fx	9:30:00 AM	29445						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD.fx	11:30:00 AM	29446						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD.fx	1:30:00 PM	29447						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDUSD.fx	3:30:00 PM	29448						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDZAR	9:30:00 AM	29449						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDZAR	11:30:00 AM	29450						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDZAR	1:30:00 PM	29451						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	NZDZAR	3:30:00 PM	29452						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY	9:30:00 AM	29453						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY	11:30:00 AM	29454						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY	1:30:00 PM	29455						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	SEKJPY	3:30:00 PM	29456						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY.fx	9:30:00 AM	29457						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY.fx	11:30:00 AM	29458						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY.fx	1:30:00 PM	29459						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SEKJPY.fx	3:30:00 PM	29460						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SGDJPY	9:30:00 AM	29461						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SGDJPY	11:30:00 AM	29462						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SGDJPY	1:30:00 PM	29463						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SGDJPY	3:30:00 PM	29464						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SILVER	9:30:00 AM	29465						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SILVER	11:30:00 AM	29466						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SILVER	1:30:00 PM	29467						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SILVER	3:30:00 PM	29468						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SPX500.i	9:30:00 AM	29469						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SPX500.i	11:30:00 AM	29470						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SPX500.i	1:30:00 PM	29471						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	SPX500.i	3:30:00 PM	29472						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	UK100.i	9:30:00 AM	29473						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	UK100.i	11:30:00 AM	29474						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	UK100.i	1:30:00 PM	29475						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	UK100.i	3:30:00 PM	29476						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD	9:30:00 AM	29477						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD	11:30:00 AM	29478						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD	1:30:00 PM	29479						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD	3:30:00 PM	29480						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD.fx	9:30:00 AM	29481						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD.fx	11:30:00 AM	29482						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD.fx	1:30:00 PM	29483						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCAD.fx	3:30:00 PM	29484						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF	9:30:00 AM	29485						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF	11:30:00 AM	29486						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF	1:30:00 PM	29487						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF	3:30:00 PM	29488						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF.fx	9:30:00 AM	29489						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	USDCHF.fx	11:30:00 AM	29490						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF.fx	1:30:00 PM	29491						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCHF.fx	3:30:00 PM	29492						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK	9:30:00 AM	29493						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK	11:30:00 AM	29494						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK	1:30:00 PM	29495						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK	3:30:00 PM	29496						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK.fx	9:30:00 AM	29497						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK.fx	11:30:00 AM	29498						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK.fx	1:30:00 PM	29499						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDCZK.fx	3:30:00 PM	29500						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK	9:30:00 AM	29501						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK	11:30:00 AM	29502						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK	1:30:00 PM	29503						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK	3:30:00 PM	29504						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK.fx	9:30:00 AM	29505						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK.fx	11:30:00 AM	29506						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK.fx	1:30:00 PM	29507						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDDKK.fx	3:30:00 PM	29508						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD	9:30:00 AM	29509						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD	11:30:00 AM	29510						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD	1:30:00 PM	29511						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD	3:30:00 PM	29512						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD.fx	9:30:00 AM	29513						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD.fx	11:30:00 AM	29514						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD.fx	1:30:00 PM	29515						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHKD.fx	3:30:00 PM	29516						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF	9:30:00 AM	29517						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF	11:30:00 AM	29518						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF	1:30:00 PM	29519						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF	3:30:00 PM	29520						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF.fx	9:30:00 AM	29521						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF.fx	11:30:00 AM	29522						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDHUF.fx	1:30:00 PM	29523						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	USDHUF.fx	3:30:00 PM	29524						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDINR	9:30:00 AM	29525						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDINR	11:30:00 AM	29526						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDINR	1:30:00 PM	29527						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDINR	3:30:00 PM	29528						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY	9:30:00 AM	29529						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY	11:30:00 AM	29530						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY	1:30:00 PM	29531						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY	3:30:00 PM	29532						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY.fx	9:30:00 AM	29533						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY.fx	11:30:00 AM	29534						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY.fx	1:30:00 PM	29535						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDJPY.fx	3:30:00 PM	29536						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDMXN	9:30:00 AM	29537						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDMXN	11:30:00 AM	29538						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDMXN	1:30:00 PM	29539						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDMXN	3:30:00 PM	29540						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JSDMXN.fx	9:30:00 AM	29541						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JSDMXN.fx	11:30:00 AM	29542						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JSDMXN.fx	1:30:00 PM	29543						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	JSDMXN.fx	3:30:00 PM	29544						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK	9:30:00 AM	29545						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK	11:30:00 AM	29546						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK	1:30:00 PM	29547						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK	3:30:00 PM	29548						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK.fx	9:30:00 AM	29549						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK.fx	11:30:00 AM	29550						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK.fx	1:30:00 PM	29551						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDNOK.fx	3:30:00 PM	29552						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN	9:30:00 AM	29553						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN	11:30:00 AM	29554						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN	1:30:00 PM	29555						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN	3:30:00 PM	29556						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN.fx	9:30:00 AM	29557						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	USDPLN.fx	11:30:00 AM	29558						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN.fx	1:30:00 PM	29559						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDPLN.fx	3:30:00 PM	29560						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDRUB	9:30:00 AM	29561						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDRUB	11:30:00 AM	29562						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDRUB	1:30:00 PM	29563						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDRUB	3:30:00 PM	29564						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK	9:30:00 AM	29565						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK	11:30:00 AM	29566						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK	1:30:00 PM	29567						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK	3:30:00 PM	29568						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK.fx	9:30:00 AM	29569						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK.fx	11:30:00 AM	29570						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK.fx	1:30:00 PM	29571						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSEK.fx	3:30:00 PM	29572						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD	9:30:00 AM	29573						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD	11:30:00 AM	29574						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD	1:30:00 PM	29575						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD	3:30:00 PM	29576						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD.fx	9:30:00 AM	29577						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD.fx	11:30:00 AM	29578						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD.fx	1:30:00 PM	29579						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDSGD.fx	3:30:00 PM	29580						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR	9:30:00 AM	29581						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR	11:30:00 AM	29582						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	USDZAR	3:30:00 PM	29584						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR.fx	9:30:00 AM	29585						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR.fx	11:30:00 AM	29586						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR.fx	1:30:00 PM	29587						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	USDZAR.fx	3:30:00 PM	29588						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	XAUUSD	9:30:00 AM	29589						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	XAUUSD	11:30:00 AM	29590						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	XAUUSD	1:30:00 PM	29591						Continuous Quote	N/A	ELECTRONIC	N/A

10/25/2019	XAUUSD	3:30:00 PM	29592						Continuous Quote	N/A	ELECTRONIC	N/A
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10/25/2019	ZARJPY	11:30:00 AM	29594						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY	1:30:00 PM	29595						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY	3:30:00 PM	29596						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY.fx	9:30:00 AM	29597						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY.fx	11:30:00 AM	29598						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY.fx	1:30:00 PM	29599						Continuous Quote	N/A	ELECTRONIC	N/A
10/25/2019	ZARJPY.fx	3:30:00 PM	29600						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#AABA	1:30:00 PM	29607						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AABA	3:30:00 PM	29608						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAL	9:30:00 AM	29609						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAL	11:30:00 AM	29610						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAL	1:30:00 PM	29611						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAL	3:30:00 PM	29612						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAPL	9:30:00 AM	29613						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAPL	11:30:00 AM	29614						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAPL	1:30:00 PM	29615						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AAPL	3:30:00 PM	29616						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#ADBE	9:30:00 AM	29617						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#ADBE	11:30:00 AM	29618						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#ADBE	1:30:00 PM	29619						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#ADBE	3:30:00 PM	29620						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#AIG	3:30:00 PM	29624						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AMD	9:30:00 AM	29625						Continuous Quote	N/A	ELECTRONIC	N/A

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10/26/2019	#AMZN	11:30:00 AM	29630						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AMZN	1:30:00 PM	29631						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#AXP	1:30:00 PM	29635						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#AXP	3:30:00 PM	29636						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BA	9:30:00 AM	29637						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BA	11:30:00 AM	29638						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#BABA	1:30:00 PM	29643						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BABA	3:30:00 PM	29644						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BAC	9:30:00 AM	29645						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BAC	11:30:00 AM	29646						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BAC	1:30:00 PM	29647						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BAC	3:30:00 PM	29648						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BARC	9:30:00 AM	29649						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BARC	11:30:00 AM	29650						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BARC	1:30:00 PM	29651						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BARC	3:30:00 PM	29652						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BHP	9:30:00 AM	29653						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BHP	11:30:00 AM	29654						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BHP	1:30:00 PM	29655						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BHP	3:30:00 PM	29656						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BIDU	9:30:00 AM	29657						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#Bitcoin	1:30:00 PM	29663						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#Bitcoin	3:30:00 PM	29664						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BK	9:30:00 AM	29665						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BK	11:30:00 AM	29666						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#BK	3:30:00 PM	29668						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BLT	9:30:00 AM	29669						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#BLT	1:30:00 PM	29671						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BLT	3:30:00 PM	29672						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BP	9:30:00 AM	29673						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#BP	3:30:00 PM	29676						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#BTA	9:30:00 AM	29677						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#C	9:30:00 AM	29681						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#C	3:30:00 PM	29684						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#CHL	11:30:00 AM	29690						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#CHL	3:30:00 PM	29692						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CL.f	9:30:00 AM	29693						Continuous Quote	N/A	ELECTRONIC	N/A

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10/26/2019	#CMCSA	9:30:00 AM	29697						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CMCSA	11:30:00 AM	29698						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#CMCSA	3:30:00 PM	29700						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#CSCO	11:30:00 AM	29702						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CSCO	1:30:00 PM	29703						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CSCO	3:30:00 PM	29704						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CVX	9:30:00 AM	29705						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#CVX	11:30:00 AM	29706						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#CVX	3:30:00 PM	29708						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	#DD	9:30:00 AM	29709						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#FDX	3:30:00 PM	29744						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#FSLR	3:30:00 PM	29748						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#GILD	9:30:00 AM	29757						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	#UBS	3:30:00 PM	29996						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	AUDJPY.fx	3:30:00 PM	30084						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	AUDMXN	11:30:00 AM	30086						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	CADHUF	9:30:00 AM	30165						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADHUF	11:30:00 AM	30166						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADHUF	1:30:00 PM	30167						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADHUF	3:30:00 PM	30168						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY	9:30:00 AM	30169						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	CADJPY	11:30:00 AM	30170						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY	1:30:00 PM	30171						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY	3:30:00 PM	30172						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY.fx	9:30:00 AM	30173						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY.fx	11:30:00 AM	30174						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY.fx	1:30:00 PM	30175						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADJPY.fx	3:30:00 PM	30176						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADMXN	9:30:00 AM	30177						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADMXN	11:30:00 AM	30178						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADMXN	1:30:00 PM	30179						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADMXN	3:30:00 PM	30180						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADNOK	9:30:00 AM	30181						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADNOK	11:30:00 AM	30182						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADNOK	1:30:00 PM	30183						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADNOK	3:30:00 PM	30184						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADPLN	9:30:00 AM	30185						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADPLN	11:30:00 AM	30186						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADPLN	1:30:00 PM	30187						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADPLN	3:30:00 PM	30188						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSEK	9:30:00 AM	30189						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSEK	11:30:00 AM	30190						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSEK	1:30:00 PM	30191						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSEK	3:30:00 PM	30192						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSGD	9:30:00 AM	30193						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSGD	11:30:00 AM	30194						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSGD	1:30:00 PM	30195						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADSGD	3:30:00 PM	30196						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADZAR	9:30:00 AM	30197						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADZAR	11:30:00 AM	30198						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADZAR	1:30:00 PM	30199						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CADZAR	3:30:00 PM	30200						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFCZK	9:30:00 AM	30201						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFCZK	11:30:00 AM	30202						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFCZK	1:30:00 PM	30203						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	CHFCZK	3:30:00 PM	30204						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK	9:30:00 AM	30205						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK	11:30:00 AM	30206						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK	1:30:00 PM	30207						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK	3:30:00 PM	30208						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK.fx	9:30:00 AM	30209						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK.fx	11:30:00 AM	30210						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK.fx	1:30:00 PM	30211						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFDKK.fx	3:30:00 PM	30212						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHKD	9:30:00 AM	30213						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHKD	11:30:00 AM	30214						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHKD	1:30:00 PM	30215						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHKD	3:30:00 PM	30216						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHUF	9:30:00 AM	30217						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHUF	11:30:00 AM	30218						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHUF	1:30:00 PM	30219						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFHUF	3:30:00 PM	30220						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY	9:30:00 AM	30221						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY	11:30:00 AM	30222						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY	1:30:00 PM	30223						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY	3:30:00 PM	30224						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY.fx	9:30:00 AM	30225						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY.fx	11:30:00 AM	30226						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY.fx	1:30:00 PM	30227						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFJPY.fx	3:30:00 PM	30228						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFMXN	9:30:00 AM	30229						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFMXN	11:30:00 AM	30230						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFMXN	1:30:00 PM	30231						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFMXN	3:30:00 PM	30232						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK	9:30:00 AM	30233						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK	11:30:00 AM	30234						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK	1:30:00 PM	30235						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK	3:30:00 PM	30236						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK.fx	9:30:00 AM	30237						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	CHFNOK.fx	11:30:00 AM	30238						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK.fx	1:30:00 PM	30239						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFNOK.fx	3:30:00 PM	30240						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN	9:30:00 AM	30241						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN	11:30:00 AM	30242						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN	1:30:00 PM	30243						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN	3:30:00 PM	30244						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN.fx	9:30:00 AM	30245						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN.fx	11:30:00 AM	30246						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN.fx	1:30:00 PM	30247						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFPLN.fx	3:30:00 PM	30248						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSEK	9:30:00 AM	30249						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSEK	11:30:00 AM	30250						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSEK	1:30:00 PM	30251						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSEK	3:30:00 PM	30252						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD	9:30:00 AM	30253						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD	11:30:00 AM	30254						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD	1:30:00 PM	30255						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD	3:30:00 PM	30256						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD.fx	9:30:00 AM	30257						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD.fx	11:30:00 AM	30258						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD.fx	1:30:00 PM	30259						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFSGD.fx	3:30:00 PM	30260						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFZAR	9:30:00 AM	30261						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFZAR	11:30:00 AM	30262						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFZAR	1:30:00 PM	30263						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CHFZAR	3:30:00 PM	30264						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CZKJPY	9:30:00 AM	30265						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CZKJPY	11:30:00 AM	30266						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CZKJPY	1:30:00 PM	30267						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	CZKJPY	3:30:00 PM	30268						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DAX30.i	9:30:00 AM	30269						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DAX30.i	11:30:00 AM	30270						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DAX30.i	1:30:00 PM	30271						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	DAX30.i	3:30:00 PM	30272						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DJ30.i	9:30:00 AM	30273						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DJ30.i	11:30:00 AM	30274						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DJ30.i	1:30:00 PM	30275						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DJ30.i	3:30:00 PM	30276						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DKKJPY	9:30:00 AM	30277						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DKKJPY	11:30:00 AM	30278						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DKKJPY	1:30:00 PM	30279						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	DKKJPY	3:30:00 PM	30280						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD	9:30:00 AM	30281						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD	11:30:00 AM	30282						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD	1:30:00 PM	30283						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD	3:30:00 PM	30284						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD.fx	9:30:00 AM	30285						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD.fx	11:30:00 AM	30286						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD.fx	1:30:00 PM	30287						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURAUD.fx	3:30:00 PM	30288						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD	9:30:00 AM	30289						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD	11:30:00 AM	30290						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD	1:30:00 PM	30291						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD	3:30:00 PM	30292						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD.fx	9:30:00 AM	30293						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD.fx	11:30:00 AM	30294						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD.fx	1:30:00 PM	30295						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCAD.fx	3:30:00 PM	30296						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF	9:30:00 AM	30297						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF	11:30:00 AM	30298						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF	1:30:00 PM	30299						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF	3:30:00 PM	30300						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF.fx	9:30:00 AM	30301						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF.fx	11:30:00 AM	30302						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF.fx	1:30:00 PM	30303						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCHF.fx	3:30:00 PM	30304						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCZK	9:30:00 AM	30305						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	EURCZK	11:30:00 AM	30306						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCZK	1:30:00 PM	30307						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURCZK	3:30:00 PM	30308						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURDKK	9:30:00 AM	30309						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURDKK	11:30:00 AM	30310						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURDKK	1:30:00 PM	30311						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURDKK	3:30:00 PM	30312						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP	9:30:00 AM	30313						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP	11:30:00 AM	30314						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP	1:30:00 PM	30315						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP	3:30:00 PM	30316						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP.fx	9:30:00 AM	30317						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP.fx	11:30:00 AM	30318						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP.fx	1:30:00 PM	30319						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURGBP.fx	3:30:00 PM	30320						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD	9:30:00 AM	30321						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD	11:30:00 AM	30322						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD	1:30:00 PM	30323						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD	3:30:00 PM	30324						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD.fx	9:30:00 AM	30325						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD.fx	11:30:00 AM	30326						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD.fx	1:30:00 PM	30327						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHKD.fx	3:30:00 PM	30328						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF	9:30:00 AM	30329						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF	11:30:00 AM	30330						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF	1:30:00 PM	30331						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF	3:30:00 PM	30332						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF.fx	9:30:00 AM	30333						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF.fx	11:30:00 AM	30334						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF.fx	1:30:00 PM	30335						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURHUF.fx	3:30:00 PM	30336						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY	9:30:00 AM	30337						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY	11:30:00 AM	30338						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY	1:30:00 PM	30339						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	EURJPY	3:30:00 PM	30340						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY.fx	9:30:00 AM	30341						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY.fx	11:30:00 AM	30342						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY.fx	1:30:00 PM	30343						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURJPY.fx	3:30:00 PM	30344						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN	9:30:00 AM	30345						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN	11:30:00 AM	30346						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN	1:30:00 PM	30347						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN	3:30:00 PM	30348						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN.fx	9:30:00 AM	30349						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN.fx	11:30:00 AM	30350						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN.fx	1:30:00 PM	30351						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURMXN.fx	3:30:00 PM	30352						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK	9:30:00 AM	30353						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK	11:30:00 AM	30354						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK	1:30:00 PM	30355						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK	3:30:00 PM	30356						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK.fx	9:30:00 AM	30357						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK.fx	11:30:00 AM	30358						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK.fx	1:30:00 PM	30359						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNOK.fx	3:30:00 PM	30360						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD	9:30:00 AM	30361						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD	11:30:00 AM	30362						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD	1:30:00 PM	30363						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD	3:30:00 PM	30364						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD.fx	9:30:00 AM	30365						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD.fx	11:30:00 AM	30366						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD.fx	1:30:00 PM	30367						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURNZD.fx	3:30:00 PM	30368						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN	9:30:00 AM	30369						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN	11:30:00 AM	30370						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN	1:30:00 PM	30371						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN	3:30:00 PM	30372						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN.fx	9:30:00 AM	30373						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	EURPLN.fx	11:30:00 AM	30374						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN.fx	1:30:00 PM	30375						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURPLN.fx	3:30:00 PM	30376						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURRUB	9:30:00 AM	30377						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURRUB	11:30:00 AM	30378						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURRUB	1:30:00 PM	30379						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURRUB	3:30:00 PM	30380						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK	9:30:00 AM	30381						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK	11:30:00 AM	30382						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK	1:30:00 PM	30383						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK	3:30:00 PM	30384						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK.fx	9:30:00 AM	30385						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK.fx	11:30:00 AM	30386						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK.fx	1:30:00 PM	30387						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSEK.fx	3:30:00 PM	30388						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD	9:30:00 AM	30389						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD	11:30:00 AM	30390						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD	1:30:00 PM	30391						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD	3:30:00 PM	30392						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD.fx	9:30:00 AM	30393						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD.fx	11:30:00 AM	30394						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD.fx	1:30:00 PM	30395						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURSGD.fx	3:30:00 PM	30396						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD	9:30:00 AM	30397						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD	11:30:00 AM	30398						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD	1:30:00 PM	30399						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD	3:30:00 PM	30400						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD.fx	9:30:00 AM	30401						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD.fx	11:30:00 AM	30402						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD.fx	1:30:00 PM	30403						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURUSD.fx	3:30:00 PM	30404						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR	9:30:00 AM	30405						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR	11:30:00 AM	30406						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR	1:30:00 PM	30407						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	EURZAR	3:30:00 PM	30408						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR.fx	9:30:00 AM	30409						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR.fx	11:30:00 AM	30410						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR.fx	1:30:00 PM	30411						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	EURZAR.fx	3:30:00 PM	30412						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD	9:30:00 AM	30413						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD	11:30:00 AM	30414						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD	1:30:00 PM	30415						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD	3:30:00 PM	30416						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD.fx	9:30:00 AM	30417						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD.fx	11:30:00 AM	30418						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD.fx	1:30:00 PM	30419						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPAUD.fx	3:30:00 PM	30420						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD	9:30:00 AM	30421						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD	11:30:00 AM	30422						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD	1:30:00 PM	30423						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD	3:30:00 PM	30424						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD.fx	9:30:00 AM	30425						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD.fx	11:30:00 AM	30426						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD.fx	1:30:00 PM	30427						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCAD.fx	3:30:00 PM	30428						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF	9:30:00 AM	30429						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF	11:30:00 AM	30430						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF	1:30:00 PM	30431						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF	3:30:00 PM	30432						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF.fx	9:30:00 AM	30433						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF.fx	11:30:00 AM	30434						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF.fx	1:30:00 PM	30435						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCHF.fx	3:30:00 PM	30436						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCZK	9:30:00 AM	30437						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCZK	11:30:00 AM	30438						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCZK	1:30:00 PM	30439						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPCZK	3:30:00 PM	30440						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK	9:30:00 AM	30441						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	GBPDKK	11:30:00 AM	30442						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK	1:30:00 PM	30443						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK	3:30:00 PM	30444						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK.fx	9:30:00 AM	30445						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK.fx	11:30:00 AM	30446						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK.fx	1:30:00 PM	30447						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPDKK.fx	3:30:00 PM	30448						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHKD	9:30:00 AM	30449						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHKD	11:30:00 AM	30450						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHKD	1:30:00 PM	30451						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHKD	3:30:00 PM	30452						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHUF	9:30:00 AM	30453						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHUF	11:30:00 AM	30454						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHUF	1:30:00 PM	30455						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPHUF	3:30:00 PM	30456						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY	9:30:00 AM	30457						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY	11:30:00 AM	30458						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY	1:30:00 PM	30459						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY	3:30:00 PM	30460						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY.fx	9:30:00 AM	30461						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY.fx	11:30:00 AM	30462						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY.fx	1:30:00 PM	30463						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPJPY.fx	3:30:00 PM	30464						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPMXN	9:30:00 AM	30465						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPMXN	11:30:00 AM	30466						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPMXN	1:30:00 PM	30467						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPMXN	3:30:00 PM	30468						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK	9:30:00 AM	30469						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK	11:30:00 AM	30470						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK	1:30:00 PM	30471						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK	3:30:00 PM	30472						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK.fx	9:30:00 AM	30473						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK.fx	11:30:00 AM	30474						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNOK.fx	1:30:00 PM	30475						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	GBPNOK.fx	3:30:00 PM	30476						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD	9:30:00 AM	30477						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD	11:30:00 AM	30478						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD	1:30:00 PM	30479						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD	3:30:00 PM	30480						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD.fx	9:30:00 AM	30481						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD.fx	11:30:00 AM	30482						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD.fx	1:30:00 PM	30483						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPNZD.fx	3:30:00 PM	30484						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN	9:30:00 AM	30485						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN	11:30:00 AM	30486						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN	1:30:00 PM	30487						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN	3:30:00 PM	30488						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN.fx	9:30:00 AM	30489						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN.fx	11:30:00 AM	30490						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN.fx	1:30:00 PM	30491						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPPLN.fx	3:30:00 PM	30492						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK	9:30:00 AM	30493						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK	11:30:00 AM	30494						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK	1:30:00 PM	30495						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK	3:30:00 PM	30496						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK.fx	9:30:00 AM	30497						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK.fx	11:30:00 AM	30498						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK.fx	1:30:00 PM	30499						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSEK.fx	3:30:00 PM	30500						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD	9:30:00 AM	30501						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD	11:30:00 AM	30502						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD	1:30:00 PM	30503						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD	3:30:00 PM	30504						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD.fx	9:30:00 AM	30505						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD.fx	11:30:00 AM	30506						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD.fx	1:30:00 PM	30507						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPSGD.fx	3:30:00 PM	30508						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD	9:30:00 AM	30509						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	GBPUSD	11:30:00 AM	30510						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD	1:30:00 PM	30511						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD	3:30:00 PM	30512						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD.fx	9:30:00 AM	30513						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD.fx	11:30:00 AM	30514						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD.fx	1:30:00 PM	30515						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPUSD.fx	3:30:00 PM	30516						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR	9:30:00 AM	30517						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR	11:30:00 AM	30518						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR	1:30:00 PM	30519						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR	3:30:00 PM	30520						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR.fx	9:30:00 AM	30521						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR.fx	11:30:00 AM	30522						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR.fx	1:30:00 PM	30523						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GBPZAR.fx	3:30:00 PM	30524						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GOLD	9:30:00 AM	30525						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GOLD	11:30:00 AM	30526						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GOLD	1:30:00 PM	30527						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	GOLD	3:30:00 PM	30528						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY	9:30:00 AM	30529						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY	11:30:00 AM	30530						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY	1:30:00 PM	30531						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY	3:30:00 PM	30532						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY.fx	9:30:00 AM	30533						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY.fx	11:30:00 AM	30534						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY.fx	1:30:00 PM	30535						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HKDJPY.fx	3:30:00 PM	30536						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HUFJPY	9:30:00 AM	30537						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HUFJPY	11:30:00 AM	30538						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HUFJPY	1:30:00 PM	30539						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	HUFJPY	3:30:00 PM	30540						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JP225.i	9:30:00 AM	30541						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JP225.i	11:30:00 AM	30542						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JP225.i	1:30:00 PM	30543						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	JP225.i	3:30:00 PM	30544						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	MXNJPY	9:30:00 AM	30545						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	MXNJPY	11:30:00 AM	30546						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	MXNJPY	1:30:00 PM	30547						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	MXNJPY	3:30:00 PM	30548						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NASDAQ.i	9:30:00 AM	30549						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NASDAQ.i	11:30:00 AM	30550						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NASDAQ.i	1:30:00 PM	30551						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NASDAQ.i	3:30:00 PM	30552						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY	9:30:00 AM	30553						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY	11:30:00 AM	30554						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY	1:30:00 PM	30555						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY	3:30:00 PM	30556						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY.fx	9:30:00 AM	30557						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY.fx	11:30:00 AM	30558						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY.fx	1:30:00 PM	30559						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NOKJPY.fx	3:30:00 PM	30560						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD	9:30:00 AM	30561						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD	11:30:00 AM	30562						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD	1:30:00 PM	30563						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD	3:30:00 PM	30564						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD.fx	9:30:00 AM	30565						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD.fx	11:30:00 AM	30566						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD.fx	1:30:00 PM	30567						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCAD.fx	3:30:00 PM	30568						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF	9:30:00 AM	30569						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF	11:30:00 AM	30570						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF	1:30:00 PM	30571						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF	3:30:00 PM	30572						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF.fx	9:30:00 AM	30573						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF.fx	11:30:00 AM	30574						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF.fx	1:30:00 PM	30575						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCHF.fx	3:30:00 PM	30576						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCZK	9:30:00 AM	30577						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	NZDCZK	11:30:00 AM	30578						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCZK	1:30:00 PM	30579						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDCZK	3:30:00 PM	30580						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDDKK	9:30:00 AM	30581						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDDKK	11:30:00 AM	30582						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDDKK	1:30:00 PM	30583						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDDKK	3:30:00 PM	30584						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHKD	9:30:00 AM	30585						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHKD	11:30:00 AM	30586						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHKD	1:30:00 PM	30587						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHKD	3:30:00 PM	30588						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHUF	9:30:00 AM	30589						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHUF	11:30:00 AM	30590						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHUF	1:30:00 PM	30591						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDHUF	3:30:00 PM	30592						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY	9:30:00 AM	30593						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY	11:30:00 AM	30594						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY	1:30:00 PM	30595						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY	3:30:00 PM	30596						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY.fx	9:30:00 AM	30597						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY.fx	11:30:00 AM	30598						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY.fx	1:30:00 PM	30599						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDJPY.fx	3:30:00 PM	30600						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDMXN	9:30:00 AM	30601						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDMXN	11:30:00 AM	30602						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDMXN	1:30:00 PM	30603						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDMXN	3:30:00 PM	30604						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDNOK	9:30:00 AM	30605						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDNOK	11:30:00 AM	30606						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDNOK	1:30:00 PM	30607						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDNOK	3:30:00 PM	30608						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDPLN	9:30:00 AM	30609						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDPLN	11:30:00 AM	30610						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDPLN	1:30:00 PM	30611						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	NZDPLN	3:30:00 PM	30612						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSEK	9:30:00 AM	30613						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSEK	11:30:00 AM	30614						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSEK	1:30:00 PM	30615						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSEK	3:30:00 PM	30616						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD	9:30:00 AM	30617						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD	11:30:00 AM	30618						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD	1:30:00 PM	30619						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD	3:30:00 PM	30620						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD.fx	9:30:00 AM	30621						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD.fx	11:30:00 AM	30622						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD.fx	1:30:00 PM	30623						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDSGD.fx	3:30:00 PM	30624						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD	9:30:00 AM	30625						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD	11:30:00 AM	30626						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD	1:30:00 PM	30627						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD	3:30:00 PM	30628						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD.fx	9:30:00 AM	30629						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD.fx	11:30:00 AM	30630						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD.fx	1:30:00 PM	30631						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDUSD.fx	3:30:00 PM	30632						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDZAR	9:30:00 AM	30633						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDZAR	11:30:00 AM	30634						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDZAR	1:30:00 PM	30635						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	NZDZAR	3:30:00 PM	30636						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY	9:30:00 AM	30637						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY	11:30:00 AM	30638						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY	1:30:00 PM	30639						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY	3:30:00 PM	30640						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY.fx	9:30:00 AM	30641						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY.fx	11:30:00 AM	30642						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY.fx	1:30:00 PM	30643						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SEKJPY.fx	3:30:00 PM	30644						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SGDJPY	9:30:00 AM	30645						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	SGDJPY	11:30:00 AM	30646						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SGDJPY	1:30:00 PM	30647						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SGDJPY	3:30:00 PM	30648						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SILVER	9:30:00 AM	30649						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SILVER	11:30:00 AM	30650						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SILVER	1:30:00 PM	30651						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SILVER	3:30:00 PM	30652						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SPX500.i	9:30:00 AM	30653						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SPX500.i	11:30:00 AM	30654						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SPX500.i	1:30:00 PM	30655						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	SPX500.i	3:30:00 PM	30656						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	UK100.i	9:30:00 AM	30657						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	UK100.i	11:30:00 AM	30658						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	UK100.i	1:30:00 PM	30659						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	UK100.i	3:30:00 PM	30660						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD	9:30:00 AM	30661						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD	11:30:00 AM	30662						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD	1:30:00 PM	30663						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD	3:30:00 PM	30664						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD.fx	9:30:00 AM	30665						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD.fx	11:30:00 AM	30666						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD.fx	1:30:00 PM	30667						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCAD.fx	3:30:00 PM	30668						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF	9:30:00 AM	30669						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF	11:30:00 AM	30670						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF	1:30:00 PM	30671						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF	3:30:00 PM	30672						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF.fx	9:30:00 AM	30673						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF.fx	11:30:00 AM	30674						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF.fx	1:30:00 PM	30675						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCHF.fx	3:30:00 PM	30676						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK	9:30:00 AM	30677						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK	11:30:00 AM	30678						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK	1:30:00 PM	30679						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	USDCZK	3:30:00 PM	30680						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK.fx	9:30:00 AM	30681						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK.fx	11:30:00 AM	30682						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK.fx	1:30:00 PM	30683						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDCZK.fx	3:30:00 PM	30684						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK	9:30:00 AM	30685						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK	11:30:00 AM	30686						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK	1:30:00 PM	30687						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK	3:30:00 PM	30688						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK.fx	9:30:00 AM	30689						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK.fx	11:30:00 AM	30690						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK.fx	1:30:00 PM	30691						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDDKK.fx	3:30:00 PM	30692						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD	9:30:00 AM	30693						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD	11:30:00 AM	30694						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD	1:30:00 PM	30695						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD	3:30:00 PM	30696						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD.fx	9:30:00 AM	30697						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD.fx	11:30:00 AM	30698						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD.fx	1:30:00 PM	30699						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHKD.fx	3:30:00 PM	30700						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF	9:30:00 AM	30701						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF	11:30:00 AM	30702						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF	1:30:00 PM	30703						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF	3:30:00 PM	30704						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF.fx	9:30:00 AM	30705						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF.fx	11:30:00 AM	30706						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF.fx	1:30:00 PM	30707						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDHUF.fx	3:30:00 PM	30708						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDINR	9:30:00 AM	30709						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDINR	11:30:00 AM	30710						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDINR	1:30:00 PM	30711						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDINR	3:30:00 PM	30712						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY	9:30:00 AM	30713						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	USDJPY	11:30:00 AM	30714						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY	1:30:00 PM	30715						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY	3:30:00 PM	30716						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY.fx	9:30:00 AM	30717						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY.fx	11:30:00 AM	30718						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY.fx	1:30:00 PM	30719						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDJPY.fx	3:30:00 PM	30720						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDMXN	9:30:00 AM	30721						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDMXN	11:30:00 AM	30722						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDMXN	1:30:00 PM	30723						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDMXN	3:30:00 PM	30724						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JSDMXN.fx	9:30:00 AM	30725						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JSDMXN.fx	11:30:00 AM	30726						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JSDMXN.fx	1:30:00 PM	30727						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	JSDMXN.fx	3:30:00 PM	30728						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK	9:30:00 AM	30729						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK	11:30:00 AM	30730						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK	1:30:00 PM	30731						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK	3:30:00 PM	30732						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK.fx	9:30:00 AM	30733						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK.fx	11:30:00 AM	30734						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK.fx	1:30:00 PM	30735						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDNOK.fx	3:30:00 PM	30736						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN	9:30:00 AM	30737						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN	11:30:00 AM	30738						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN	1:30:00 PM	30739						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN	3:30:00 PM	30740						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN.fx	9:30:00 AM	30741						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN.fx	11:30:00 AM	30742						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN.fx	1:30:00 PM	30743						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDPLN.fx	3:30:00 PM	30744						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDRUB	9:30:00 AM	30745						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDRUB	11:30:00 AM	30746						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDRUB	1:30:00 PM	30747						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	USDRUB	3:30:00 PM	30748						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK	9:30:00 AM	30749						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK	11:30:00 AM	30750						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK	1:30:00 PM	30751						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK	3:30:00 PM	30752						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK.fx	9:30:00 AM	30753						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK.fx	11:30:00 AM	30754						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK.fx	1:30:00 PM	30755						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSEK.fx	3:30:00 PM	30756						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	USDSGD	11:30:00 AM	30758						Continuous Quote	N/A	ELECTRONIC	N/A
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10/26/2019	USDSGD	3:30:00 PM	30760						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSGD.fx	9:30:00 AM	30761						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSGD.fx	11:30:00 AM	30762						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSGD.fx	1:30:00 PM	30763						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDSGD.fx	3:30:00 PM	30764						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR	9:30:00 AM	30765						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR	11:30:00 AM	30766						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR	1:30:00 PM	30767						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR	3:30:00 PM	30768						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR.fx	9:30:00 AM	30769						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR.fx	11:30:00 AM	30770						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR.fx	1:30:00 PM	30771						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	USDZAR.fx	3:30:00 PM	30772						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	XAUUSD	9:30:00 AM	30773						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	XAUUSD	11:30:00 AM	30774						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	XAUUSD	1:30:00 PM	30775						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	XAUUSD	3:30:00 PM	30776						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY	9:30:00 AM	30777						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY	11:30:00 AM	30778						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY	1:30:00 PM	30779						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY	3:30:00 PM	30780						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY.fx	9:30:00 AM	30781						Continuous Quote	N/A	ELECTRONIC	N/A

10/26/2019	ZARJPY.fx	11:30:00 AM	30782						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY.fx	1:30:00 PM	30783						Continuous Quote	N/A	ELECTRONIC	N/A
10/26/2019	ZARJPY.fx	3:30:00 PM	30784						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#AA	11:30:00 AM	30786						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#AA	1:30:00 PM	30787						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#AA	3:30:00 PM	30788						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#AAL	1:30:00 PM	30795						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#ADBE	3:30:00 PM	30804						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#BA	3:30:00 PM	30824						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BABA	9:30:00 AM	30825						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BABA	11:30:00 AM	30826						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BABA	1:30:00 PM	30827						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BABA	3:30:00 PM	30828						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BAC	9:30:00 AM	30829						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BAC	11:30:00 AM	30830						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BAC	1:30:00 PM	30831						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BAC	3:30:00 PM	30832						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	#BARC	9:30:00 AM	30833						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#BARC	3:30:00 PM	30836						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#BLT	3:30:00 PM	30856						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	#TRV	11:30:00 AM	31162						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	CADHKD	9:30:00 AM	31345						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHKD	11:30:00 AM	31346						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHKD	1:30:00 PM	31347						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHKD	3:30:00 PM	31348						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHUF	9:30:00 AM	31349						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHUF	11:30:00 AM	31350						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADHUF	1:30:00 PM	31351						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	CADJPY	1:30:00 PM	31355						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADJPY	3:30:00 PM	31356						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADJPY.fx	9:30:00 AM	31357						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADJPY.fx	11:30:00 AM	31358						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADJPY.fx	1:30:00 PM	31359						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	CADJPY.fx	3:30:00 PM	31360						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADMXN	9:30:00 AM	31361						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADMXN	11:30:00 AM	31362						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADMXN	1:30:00 PM	31363						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADMXN	3:30:00 PM	31364						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADNOK	9:30:00 AM	31365						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADNOK	11:30:00 AM	31366						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADNOK	1:30:00 PM	31367						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADNOK	3:30:00 PM	31368						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADPLN	9:30:00 AM	31369						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADPLN	11:30:00 AM	31370						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADPLN	1:30:00 PM	31371						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADPLN	3:30:00 PM	31372						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSEK	9:30:00 AM	31373						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSEK	11:30:00 AM	31374						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSEK	1:30:00 PM	31375						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSEK	3:30:00 PM	31376						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSGD	9:30:00 AM	31377						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSGD	11:30:00 AM	31378						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSGD	1:30:00 PM	31379						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADSGD	3:30:00 PM	31380						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADZAR	9:30:00 AM	31381						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADZAR	11:30:00 AM	31382						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADZAR	1:30:00 PM	31383						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CADZAR	3:30:00 PM	31384						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFCZK	9:30:00 AM	31385						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFCZK	11:30:00 AM	31386						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFCZK	1:30:00 PM	31387						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFCZK	3:30:00 PM	31388						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK	9:30:00 AM	31389						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK	11:30:00 AM	31390						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK	1:30:00 PM	31391						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK	3:30:00 PM	31392						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK.fx	9:30:00 AM	31393						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	CHFDKK.fx	11:30:00 AM	31394						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK.fx	1:30:00 PM	31395						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFDKK.fx	3:30:00 PM	31396						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHKD	9:30:00 AM	31397						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHKD	11:30:00 AM	31398						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHKD	1:30:00 PM	31399						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHKD	3:30:00 PM	31400						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHUF	9:30:00 AM	31401						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHUF	11:30:00 AM	31402						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHUF	1:30:00 PM	31403						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFHUF	3:30:00 PM	31404						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY	9:30:00 AM	31405						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY	11:30:00 AM	31406						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY	1:30:00 PM	31407						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY	3:30:00 PM	31408						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY.fx	9:30:00 AM	31409						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY.fx	11:30:00 AM	31410						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY.fx	1:30:00 PM	31411						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFJPY.fx	3:30:00 PM	31412						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFMXN	9:30:00 AM	31413						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFMXN	11:30:00 AM	31414						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFMXN	1:30:00 PM	31415						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFMXN	3:30:00 PM	31416						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK	9:30:00 AM	31417						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK	11:30:00 AM	31418						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK	1:30:00 PM	31419						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK	3:30:00 PM	31420						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK.fx	9:30:00 AM	31421						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK.fx	11:30:00 AM	31422						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK.fx	1:30:00 PM	31423						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFNOK.fx	3:30:00 PM	31424						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN	9:30:00 AM	31425						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN	11:30:00 AM	31426						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN	1:30:00 PM	31427						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	CHFPLN	3:30:00 PM	31428						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN.fx	9:30:00 AM	31429						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN.fx	11:30:00 AM	31430						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN.fx	1:30:00 PM	31431						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFPLN.fx	3:30:00 PM	31432						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSEK	9:30:00 AM	31433						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSEK	11:30:00 AM	31434						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSEK	1:30:00 PM	31435						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSEK	3:30:00 PM	31436						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD	9:30:00 AM	31437						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD	11:30:00 AM	31438						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD	1:30:00 PM	31439						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD	3:30:00 PM	31440						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD.fx	9:30:00 AM	31441						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD.fx	11:30:00 AM	31442						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD.fx	1:30:00 PM	31443						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFSGD.fx	3:30:00 PM	31444						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFZAR	9:30:00 AM	31445						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFZAR	11:30:00 AM	31446						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFZAR	1:30:00 PM	31447						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CHFZAR	3:30:00 PM	31448						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CZKJPY	9:30:00 AM	31449						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CZKJPY	11:30:00 AM	31450						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CZKJPY	1:30:00 PM	31451						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	CZKJPY	3:30:00 PM	31452						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DAX30.i	9:30:00 AM	31453						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DAX30.i	11:30:00 AM	31454						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DAX30.i	1:30:00 PM	31455						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DAX30.i	3:30:00 PM	31456						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DJ30.i	9:30:00 AM	31457						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DJ30.i	11:30:00 AM	31458						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DJ30.i	1:30:00 PM	31459						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DJ30.i	3:30:00 PM	31460						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DKKJPY	9:30:00 AM	31461						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	DKKJPY	11:30:00 AM	31462						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DKKJPY	1:30:00 PM	31463						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	DKKJPY	3:30:00 PM	31464						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD	9:30:00 AM	31465						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD	11:30:00 AM	31466						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD	1:30:00 PM	31467						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD	3:30:00 PM	31468						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD.fx	9:30:00 AM	31469						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD.fx	11:30:00 AM	31470						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD.fx	1:30:00 PM	31471						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURAUD.fx	3:30:00 PM	31472						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD	9:30:00 AM	31473						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD	11:30:00 AM	31474						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD	1:30:00 PM	31475						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD	3:30:00 PM	31476						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD.fx	9:30:00 AM	31477						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD.fx	11:30:00 AM	31478						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD.fx	1:30:00 PM	31479						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCAD.fx	3:30:00 PM	31480						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF	9:30:00 AM	31481						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF	11:30:00 AM	31482						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF	1:30:00 PM	31483						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF	3:30:00 PM	31484						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF.fx	9:30:00 AM	31485						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF.fx	11:30:00 AM	31486						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF.fx	1:30:00 PM	31487						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCHF.fx	3:30:00 PM	31488						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCZK	9:30:00 AM	31489						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCZK	11:30:00 AM	31490						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCZK	1:30:00 PM	31491						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURCZK	3:30:00 PM	31492						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURDKK	9:30:00 AM	31493						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURDKK	11:30:00 AM	31494						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURDKK	1:30:00 PM	31495						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	EURDKK	3:30:00 PM	31496						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP	9:30:00 AM	31497						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP	11:30:00 AM	31498						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP	1:30:00 PM	31499						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP	3:30:00 PM	31500						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP.fx	9:30:00 AM	31501						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP.fx	11:30:00 AM	31502						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP.fx	1:30:00 PM	31503						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURGBP.fx	3:30:00 PM	31504						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD	9:30:00 AM	31505						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD	11:30:00 AM	31506						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD	1:30:00 PM	31507						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD	3:30:00 PM	31508						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD.fx	9:30:00 AM	31509						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD.fx	11:30:00 AM	31510						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD.fx	1:30:00 PM	31511						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHKD.fx	3:30:00 PM	31512						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF	9:30:00 AM	31513						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF	11:30:00 AM	31514						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF	1:30:00 PM	31515						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF	3:30:00 PM	31516						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF.fx	9:30:00 AM	31517						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF.fx	11:30:00 AM	31518						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF.fx	1:30:00 PM	31519						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURHUF.fx	3:30:00 PM	31520						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY	9:30:00 AM	31521						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY	11:30:00 AM	31522						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY	1:30:00 PM	31523						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY	3:30:00 PM	31524						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY.fx	9:30:00 AM	31525						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY.fx	11:30:00 AM	31526						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY.fx	1:30:00 PM	31527						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURJPY.fx	3:30:00 PM	31528						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN	9:30:00 AM	31529						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	EURMXN	11:30:00 AM	31530						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN	1:30:00 PM	31531						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN	3:30:00 PM	31532						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN.fx	9:30:00 AM	31533						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN.fx	11:30:00 AM	31534						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN.fx	1:30:00 PM	31535						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURMXN.fx	3:30:00 PM	31536						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK	9:30:00 AM	31537						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK	11:30:00 AM	31538						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK	1:30:00 PM	31539						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK	3:30:00 PM	31540						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK.fx	9:30:00 AM	31541						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK.fx	11:30:00 AM	31542						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK.fx	1:30:00 PM	31543						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNOK.fx	3:30:00 PM	31544						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD	9:30:00 AM	31545						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD	11:30:00 AM	31546						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD	1:30:00 PM	31547						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD	3:30:00 PM	31548						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD.fx	9:30:00 AM	31549						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD.fx	11:30:00 AM	31550						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD.fx	1:30:00 PM	31551						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURNZD.fx	3:30:00 PM	31552						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN	9:30:00 AM	31553						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN	11:30:00 AM	31554						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN	1:30:00 PM	31555						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN	3:30:00 PM	31556						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN.fx	9:30:00 AM	31557						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN.fx	11:30:00 AM	31558						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN.fx	1:30:00 PM	31559						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURPLN.fx	3:30:00 PM	31560						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURRUB	9:30:00 AM	31561						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURRUB	11:30:00 AM	31562						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURRUB	1:30:00 PM	31563						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	EURRUB	3:30:00 PM	31564						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK	9:30:00 AM	31565						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK	11:30:00 AM	31566						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK	1:30:00 PM	31567						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK	3:30:00 PM	31568						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK.fx	9:30:00 AM	31569						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK.fx	11:30:00 AM	31570						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK.fx	1:30:00 PM	31571						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSEK.fx	3:30:00 PM	31572						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD	9:30:00 AM	31573						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD	11:30:00 AM	31574						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD	1:30:00 PM	31575						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD	3:30:00 PM	31576						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD.fx	9:30:00 AM	31577						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD.fx	11:30:00 AM	31578						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD.fx	1:30:00 PM	31579						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURSGD.fx	3:30:00 PM	31580						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD	9:30:00 AM	31581						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD	11:30:00 AM	31582						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD	1:30:00 PM	31583						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD	3:30:00 PM	31584						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD.fx	9:30:00 AM	31585						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD.fx	11:30:00 AM	31586						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD.fx	1:30:00 PM	31587						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURUSD.fx	3:30:00 PM	31588						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR	9:30:00 AM	31589						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR	11:30:00 AM	31590						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR	1:30:00 PM	31591						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR	3:30:00 PM	31592						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR.fx	9:30:00 AM	31593						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR.fx	11:30:00 AM	31594						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR.fx	1:30:00 PM	31595						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	EURZAR.fx	3:30:00 PM	31596						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD	9:30:00 AM	31597						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	GBPAUD	11:30:00 AM	31598						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD	1:30:00 PM	31599						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD	3:30:00 PM	31600						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD.fx	9:30:00 AM	31601						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD.fx	11:30:00 AM	31602						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD.fx	1:30:00 PM	31603						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPAUD.fx	3:30:00 PM	31604						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD	9:30:00 AM	31605						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD	11:30:00 AM	31606						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD	1:30:00 PM	31607						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD	3:30:00 PM	31608						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD.fx	9:30:00 AM	31609						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD.fx	11:30:00 AM	31610						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD.fx	1:30:00 PM	31611						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCAD.fx	3:30:00 PM	31612						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF	9:30:00 AM	31613						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF	11:30:00 AM	31614						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF	1:30:00 PM	31615						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF	3:30:00 PM	31616						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF.fx	9:30:00 AM	31617						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF.fx	11:30:00 AM	31618						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF.fx	1:30:00 PM	31619						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCHF.fx	3:30:00 PM	31620						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCZK	9:30:00 AM	31621						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCZK	11:30:00 AM	31622						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCZK	1:30:00 PM	31623						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPCZK	3:30:00 PM	31624						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK	9:30:00 AM	31625						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK	11:30:00 AM	31626						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK	1:30:00 PM	31627						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK	3:30:00 PM	31628						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK.fx	9:30:00 AM	31629						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK.fx	11:30:00 AM	31630						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPDKK.fx	1:30:00 PM	31631						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	GBPDKK.fx	3:30:00 PM	31632						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHKD	9:30:00 AM	31633						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHKD	11:30:00 AM	31634						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHKD	1:30:00 PM	31635						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHKD	3:30:00 PM	31636						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHUF	9:30:00 AM	31637						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHUF	11:30:00 AM	31638						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHUF	1:30:00 PM	31639						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPHUF	3:30:00 PM	31640						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY	9:30:00 AM	31641						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY	11:30:00 AM	31642						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY	1:30:00 PM	31643						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY	3:30:00 PM	31644						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY.fx	9:30:00 AM	31645						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY.fx	11:30:00 AM	31646						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY.fx	1:30:00 PM	31647						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPJPY.fx	3:30:00 PM	31648						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPMXN	9:30:00 AM	31649						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPMXN	11:30:00 AM	31650						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPMXN	1:30:00 PM	31651						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPMXN	3:30:00 PM	31652						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK	9:30:00 AM	31653						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK	11:30:00 AM	31654						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK	1:30:00 PM	31655						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK	3:30:00 PM	31656						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK.fx	9:30:00 AM	31657						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK.fx	11:30:00 AM	31658						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK.fx	1:30:00 PM	31659						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNOK.fx	3:30:00 PM	31660						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD	9:30:00 AM	31661						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD	11:30:00 AM	31662						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD	1:30:00 PM	31663						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD	3:30:00 PM	31664						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD.fx	9:30:00 AM	31665						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	GBPNZD.fx	11:30:00 AM	31666						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD.fx	1:30:00 PM	31667						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPNZD.fx	3:30:00 PM	31668						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN	9:30:00 AM	31669						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN	11:30:00 AM	31670						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN	1:30:00 PM	31671						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN	3:30:00 PM	31672						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN.fx	9:30:00 AM	31673						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN.fx	11:30:00 AM	31674						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN.fx	1:30:00 PM	31675						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPPLN.fx	3:30:00 PM	31676						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK	9:30:00 AM	31677						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK	11:30:00 AM	31678						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK	1:30:00 PM	31679						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK	3:30:00 PM	31680						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK.fx	9:30:00 AM	31681						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK.fx	11:30:00 AM	31682						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK.fx	1:30:00 PM	31683						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSEK.fx	3:30:00 PM	31684						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD	9:30:00 AM	31685						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD	11:30:00 AM	31686						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD	1:30:00 PM	31687						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD	3:30:00 PM	31688						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD.fx	9:30:00 AM	31689						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD.fx	11:30:00 AM	31690						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD.fx	1:30:00 PM	31691						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPSGD.fx	3:30:00 PM	31692						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD	9:30:00 AM	31693						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD	11:30:00 AM	31694						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD	1:30:00 PM	31695						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD	3:30:00 PM	31696						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD.fx	9:30:00 AM	31697						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD.fx	11:30:00 AM	31698						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPUSD.fx	1:30:00 PM	31699						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	GBPUSD.fx	3:30:00 PM	31700						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR	9:30:00 AM	31701						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR	11:30:00 AM	31702						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR	1:30:00 PM	31703						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR	3:30:00 PM	31704						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR.fx	9:30:00 AM	31705						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR.fx	11:30:00 AM	31706						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR.fx	1:30:00 PM	31707						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GBPZAR.fx	3:30:00 PM	31708						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GOLD	9:30:00 AM	31709						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GOLD	11:30:00 AM	31710						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GOLD	1:30:00 PM	31711						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	GOLD	3:30:00 PM	31712						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY	9:30:00 AM	31713						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY	11:30:00 AM	31714						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY	1:30:00 PM	31715						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY	3:30:00 PM	31716						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY.fx	9:30:00 AM	31717						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY.fx	11:30:00 AM	31718						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY.fx	1:30:00 PM	31719						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HKDJPY.fx	3:30:00 PM	31720						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HUFJPY	9:30:00 AM	31721						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HUFJPY	11:30:00 AM	31722						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HUFJPY	1:30:00 PM	31723						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	HUFJPY	3:30:00 PM	31724						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JP225.i	9:30:00 AM	31725						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JP225.i	11:30:00 AM	31726						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JP225.i	1:30:00 PM	31727						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JP225.i	3:30:00 PM	31728						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	MXNJPY	9:30:00 AM	31729						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	MXNJPY	11:30:00 AM	31730						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	MXNJPY	1:30:00 PM	31731						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	MXNJPY	3:30:00 PM	31732						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NASDAQ.i	9:30:00 AM	31733						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	NASDAQ.i	11:30:00 AM	31734						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NASDAQ.i	1:30:00 PM	31735						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NASDAQ.i	3:30:00 PM	31736						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY	9:30:00 AM	31737						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY	11:30:00 AM	31738						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY	1:30:00 PM	31739						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY	3:30:00 PM	31740						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY.fx	9:30:00 AM	31741						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY.fx	11:30:00 AM	31742						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY.fx	1:30:00 PM	31743						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NOKJPY.fx	3:30:00 PM	31744						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD	9:30:00 AM	31745						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD	11:30:00 AM	31746						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD	1:30:00 PM	31747						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD	3:30:00 PM	31748						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD.fx	9:30:00 AM	31749						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD.fx	11:30:00 AM	31750						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD.fx	1:30:00 PM	31751						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCAD.fx	3:30:00 PM	31752						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF	9:30:00 AM	31753						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF	11:30:00 AM	31754						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF	1:30:00 PM	31755						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF	3:30:00 PM	31756						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF.fx	9:30:00 AM	31757						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF.fx	11:30:00 AM	31758						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF.fx	1:30:00 PM	31759						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCHF.fx	3:30:00 PM	31760						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCZK	9:30:00 AM	31761						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCZK	11:30:00 AM	31762						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCZK	1:30:00 PM	31763						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDCZK	3:30:00 PM	31764						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDDKK	9:30:00 AM	31765						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDDKK	11:30:00 AM	31766						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDDKK	1:30:00 PM	31767						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	NZDDKK	3:30:00 PM	31768						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHKD	9:30:00 AM	31769						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHKD	11:30:00 AM	31770						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHKD	1:30:00 PM	31771						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHKD	3:30:00 PM	31772						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHUF	9:30:00 AM	31773						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHUF	11:30:00 AM	31774						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHUF	1:30:00 PM	31775						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDHUF	3:30:00 PM	31776						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY	9:30:00 AM	31777						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY	11:30:00 AM	31778						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY	1:30:00 PM	31779						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY	3:30:00 PM	31780						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY.fx	9:30:00 AM	31781						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY.fx	11:30:00 AM	31782						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY.fx	1:30:00 PM	31783						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDJPY.fx	3:30:00 PM	31784						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDMXN	9:30:00 AM	31785						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDMXN	11:30:00 AM	31786						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDMXN	1:30:00 PM	31787						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDMXN	3:30:00 PM	31788						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDNOK	9:30:00 AM	31789						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDNOK	11:30:00 AM	31790						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDNOK	1:30:00 PM	31791						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDNOK	3:30:00 PM	31792						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDPLN	9:30:00 AM	31793						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDPLN	11:30:00 AM	31794						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDPLN	1:30:00 PM	31795						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDPLN	3:30:00 PM	31796						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSEK	9:30:00 AM	31797						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSEK	11:30:00 AM	31798						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSEK	1:30:00 PM	31799						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSEK	3:30:00 PM	31800						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD	9:30:00 AM	31801						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	NZDSGD	11:30:00 AM	31802						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD	1:30:00 PM	31803						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD	3:30:00 PM	31804						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD.fx	9:30:00 AM	31805						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD.fx	11:30:00 AM	31806						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD.fx	1:30:00 PM	31807						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDSGD.fx	3:30:00 PM	31808						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD	9:30:00 AM	31809						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD	11:30:00 AM	31810						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD	1:30:00 PM	31811						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD	3:30:00 PM	31812						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD.fx	9:30:00 AM	31813						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD.fx	11:30:00 AM	31814						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD.fx	1:30:00 PM	31815						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDUSD.fx	3:30:00 PM	31816						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDZAR	9:30:00 AM	31817						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDZAR	11:30:00 AM	31818						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDZAR	1:30:00 PM	31819						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	NZDZAR	3:30:00 PM	31820						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY	9:30:00 AM	31821						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY	11:30:00 AM	31822						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY	1:30:00 PM	31823						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY	3:30:00 PM	31824						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY.fx	9:30:00 AM	31825						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY.fx	11:30:00 AM	31826						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY.fx	1:30:00 PM	31827						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SEKJPY.fx	3:30:00 PM	31828						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SGDJPY	9:30:00 AM	31829						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SGDJPY	11:30:00 AM	31830						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SGDJPY	1:30:00 PM	31831						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SGDJPY	3:30:00 PM	31832						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SILVER	9:30:00 AM	31833						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SILVER	11:30:00 AM	31834						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SILVER	1:30:00 PM	31835						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	SILVER	3:30:00 PM	31836						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SPX500.i	9:30:00 AM	31837						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SPX500.i	11:30:00 AM	31838						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SPX500.i	1:30:00 PM	31839						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	SPX500.i	3:30:00 PM	31840						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	UK100.i	9:30:00 AM	31841						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	UK100.i	11:30:00 AM	31842						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	UK100.i	1:30:00 PM	31843						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	UK100.i	3:30:00 PM	31844						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD	9:30:00 AM	31845						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD	11:30:00 AM	31846						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD	1:30:00 PM	31847						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD	3:30:00 PM	31848						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD.fx	9:30:00 AM	31849						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD.fx	11:30:00 AM	31850						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD.fx	1:30:00 PM	31851						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCAD.fx	3:30:00 PM	31852						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF	9:30:00 AM	31853						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF	11:30:00 AM	31854						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF	1:30:00 PM	31855						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF	3:30:00 PM	31856						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF.fx	9:30:00 AM	31857						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF.fx	11:30:00 AM	31858						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF.fx	1:30:00 PM	31859						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCHF.fx	3:30:00 PM	31860						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK	9:30:00 AM	31861						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK	11:30:00 AM	31862						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK	1:30:00 PM	31863						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK	3:30:00 PM	31864						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK.fx	9:30:00 AM	31865						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK.fx	11:30:00 AM	31866						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK.fx	1:30:00 PM	31867						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDCZK.fx	3:30:00 PM	31868						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK	9:30:00 AM	31869						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	USDDKK	11:30:00 AM	31870						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK	1:30:00 PM	31871						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK	3:30:00 PM	31872						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK.fx	9:30:00 AM	31873						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK.fx	11:30:00 AM	31874						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK.fx	1:30:00 PM	31875						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDDKK.fx	3:30:00 PM	31876						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD	9:30:00 AM	31877						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD	11:30:00 AM	31878						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD	1:30:00 PM	31879						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD	3:30:00 PM	31880						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD.fx	9:30:00 AM	31881						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD.fx	11:30:00 AM	31882						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD.fx	1:30:00 PM	31883						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHKD.fx	3:30:00 PM	31884						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF	9:30:00 AM	31885						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF	11:30:00 AM	31886						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF	1:30:00 PM	31887						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF	3:30:00 PM	31888						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF.fx	9:30:00 AM	31889						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF.fx	11:30:00 AM	31890						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF.fx	1:30:00 PM	31891						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDHUF.fx	3:30:00 PM	31892						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDINR	9:30:00 AM	31893						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDINR	11:30:00 AM	31894						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDINR	1:30:00 PM	31895						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDINR	3:30:00 PM	31896						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY	9:30:00 AM	31897						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY	11:30:00 AM	31898						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY	1:30:00 PM	31899						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY	3:30:00 PM	31900						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY.fx	9:30:00 AM	31901						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY.fx	11:30:00 AM	31902						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDJPY.fx	1:30:00 PM	31903						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	USDJPY.fx	3:30:00 PM	31904						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDMXN	9:30:00 AM	31905						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDMXN	11:30:00 AM	31906						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDMXN	1:30:00 PM	31907						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDMXN	3:30:00 PM	31908						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JSDMXN.fx	9:30:00 AM	31909						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	JSDMXN.fx	11:30:00 AM	31910						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	JSDMXN.fx	3:30:00 PM	31912						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK	9:30:00 AM	31913						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK	11:30:00 AM	31914						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK	1:30:00 PM	31915						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK	3:30:00 PM	31916						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK.fx	9:30:00 AM	31917						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK.fx	11:30:00 AM	31918						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK.fx	1:30:00 PM	31919						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDNOK.fx	3:30:00 PM	31920						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN	9:30:00 AM	31921						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN	11:30:00 AM	31922						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN	1:30:00 PM	31923						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN	3:30:00 PM	31924						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN.fx	9:30:00 AM	31925						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN.fx	11:30:00 AM	31926						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN.fx	1:30:00 PM	31927						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDPLN.fx	3:30:00 PM	31928						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDRUB	9:30:00 AM	31929						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDRUB	11:30:00 AM	31930						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDRUB	1:30:00 PM	31931						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDRUB	3:30:00 PM	31932						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK	9:30:00 AM	31933						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK	11:30:00 AM	31934						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK	1:30:00 PM	31935						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK	3:30:00 PM	31936						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK.fx	9:30:00 AM	31937						Continuous Quote	N/A	ELECTRONIC	N/A

10/27/2019	USDSEK.fx	11:30:00 AM	31938						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK.fx	1:30:00 PM	31939						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSEK.fx	3:30:00 PM	31940						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD	9:30:00 AM	31941						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD	11:30:00 AM	31942						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD	1:30:00 PM	31943						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD	3:30:00 PM	31944						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD.fx	9:30:00 AM	31945						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDSGD.fx	11:30:00 AM	31946						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	USDSGD.fx	3:30:00 PM	31948						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR	9:30:00 AM	31949						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR	11:30:00 AM	31950						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR	1:30:00 PM	31951						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR	3:30:00 PM	31952						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR.fx	9:30:00 AM	31953						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	USDZAR.fx	11:30:00 AM	31954						Continuous Quote	N/A	ELECTRONIC	N/A
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10/27/2019	USDZAR.fx	3:30:00 PM	31956						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	XAUUSD	9:30:00 AM	31957						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	XAUUSD	11:30:00 AM	31958						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	XAUUSD	1:30:00 PM	31959						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	XAUUSD	3:30:00 PM	31960						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY	9:30:00 AM	31961						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY	11:30:00 AM	31962						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY	1:30:00 PM	31963						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY	3:30:00 PM	31964						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY.fx	9:30:00 AM	31965						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY.fx	11:30:00 AM	31966						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY.fx	1:30:00 PM	31967						Continuous Quote	N/A	ELECTRONIC	N/A
10/27/2019	ZARJPY.fx	3:30:00 PM	31968						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AA	9:30:00 AM	31969						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AA	11:30:00 AM	31970						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AA	1:30:00 PM	31971						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	#AA	3:30:00 PM	31972						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#AABA	1:30:00 PM	31975						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AABA	3:30:00 PM	31976						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AAL	9:30:00 AM	31977						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AAL	11:30:00 AM	31978						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AAL	1:30:00 PM	31979						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AAL	3:30:00 PM	31980						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#AAPL	3:30:00 PM	31984						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#ADBE	9:30:00 AM	31985						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#ADBE	11:30:00 AM	31986						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#ADBE	3:30:00 PM	31988						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AIG	9:30:00 AM	31989						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AIG	11:30:00 AM	31990						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#AIG	3:30:00 PM	31992						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMD	9:30:00 AM	31993						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMD	11:30:00 AM	31994						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMD	1:30:00 PM	31995						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMD	3:30:00 PM	31996						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMZN	9:30:00 AM	31997						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMZN	11:30:00 AM	31998						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMZN	1:30:00 PM	31999						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#AMZN	3:30:00 PM	32000						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#AXP	11:30:00 AM	32002						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#BA	9:30:00 AM	32005						Continuous Quote	N/A	ELECTRONIC	N/A

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10/28/2019	#BABA	11:30:00 AM	32010						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#BABA	3:30:00 PM	32012						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BAC	9:30:00 AM	32013						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#BARC	9:30:00 AM	32017						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BARC	11:30:00 AM	32018						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BARC	1:30:00 PM	32019						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BARC	3:30:00 PM	32020						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BHP	9:30:00 AM	32021						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BHP	11:30:00 AM	32022						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BHP	1:30:00 PM	32023						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BHP	3:30:00 PM	32024						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BIDU	9:30:00 AM	32025						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BIDU	11:30:00 AM	32026						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BIDU	1:30:00 PM	32027						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BIDU	3:30:00 PM	32028						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#Bitcoin	9:30:00 AM	32029						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#Bitcoin	11:30:00 AM	32030						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#Bitcoin	1:30:00 PM	32031						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#Bitcoin	3:30:00 PM	32032						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#BK	3:30:00 PM	32036						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BLT	9:30:00 AM	32037						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BLT	11:30:00 AM	32038						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BLT	1:30:00 PM	32039						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	#BLT	3:30:00 PM	32040						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#BP	3:30:00 PM	32044						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BTA	9:30:00 AM	32045						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BTA	11:30:00 AM	32046						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BTA	1:30:00 PM	32047						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#BTA	3:30:00 PM	32048						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#C	9:30:00 AM	32049						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#C	11:30:00 AM	32050						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#CAT	3:30:00 PM	32056						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#CHL	9:30:00 AM	32057						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#CL.f	3:30:00 PM	32064						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#CMCSA	9:30:00 AM	32065						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#CMCSA	11:30:00 AM	32066						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#CMCSA	3:30:00 PM	32068						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#CSCO	9:30:00 AM	32069						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#CVX	3:30:00 PM	32076						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#FB	3:30:00 PM	32104						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#FCX	1:30:00 PM	32107						Continuous Quote	N/A	ELECTRONIC	N/A

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10/28/2019	#GE	9:30:00 AM	32117						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GE	11:30:00 AM	32118						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#GEN	3:30:00 PM	32124						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GILD	9:30:00 AM	32125						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#GILD	1:30:00 PM	32127						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#GOOG	11:30:00 AM	32130						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GOOG	1:30:00 PM	32131						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GOOG	3:30:00 PM	32132						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GS	9:30:00 AM	32133						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GS	11:30:00 AM	32134						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GS	1:30:00 PM	32135						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GS	3:30:00 PM	32136						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GSK	9:30:00 AM	32137						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#GSK	11:30:00 AM	32138						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	#GSK	3:30:00 PM	32140						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	#HAL	9:30:00 AM	32141						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	#HAL	11:30:00 AM	32142						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CADJPY.fx	3:30:00 PM	32544						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADMXN	9:30:00 AM	32545						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CADMXN	1:30:00 PM	32547						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CADNOK	9:30:00 AM	32549						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	CADNOK	11:30:00 AM	32550						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADNOK	1:30:00 PM	32551						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADNOK	3:30:00 PM	32552						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CADPLN	11:30:00 AM	32554						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADPLN	1:30:00 PM	32555						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADPLN	3:30:00 PM	32556						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CADSEK	11:30:00 AM	32558						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSEK	1:30:00 PM	32559						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSEK	3:30:00 PM	32560						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSGD	9:30:00 AM	32561						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSGD	11:30:00 AM	32562						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSGD	1:30:00 PM	32563						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADSGD	3:30:00 PM	32564						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CADZAR	9:30:00 AM	32565						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CHFCZK	1:30:00 PM	32571						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFCZK	3:30:00 PM	32572						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK	9:30:00 AM	32573						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK	11:30:00 AM	32574						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK	1:30:00 PM	32575						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK	3:30:00 PM	32576						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK.fx	9:30:00 AM	32577						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK.fx	11:30:00 AM	32578						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK.fx	1:30:00 PM	32579						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFDKK.fx	3:30:00 PM	32580						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHKD	9:30:00 AM	32581						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHKD	11:30:00 AM	32582						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHKD	1:30:00 PM	32583						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	CHFHKD	3:30:00 PM	32584						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHUF	9:30:00 AM	32585						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHUF	11:30:00 AM	32586						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHUF	1:30:00 PM	32587						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFHUF	3:30:00 PM	32588						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY	9:30:00 AM	32589						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY	11:30:00 AM	32590						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY	1:30:00 PM	32591						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY	3:30:00 PM	32592						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY.fx	9:30:00 AM	32593						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY.fx	11:30:00 AM	32594						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY.fx	1:30:00 PM	32595						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFJPY.fx	3:30:00 PM	32596						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFMXN	9:30:00 AM	32597						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFMXN	11:30:00 AM	32598						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFMXN	1:30:00 PM	32599						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFMXN	3:30:00 PM	32600						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK	9:30:00 AM	32601						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK	11:30:00 AM	32602						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK	1:30:00 PM	32603						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK	3:30:00 PM	32604						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK.fx	9:30:00 AM	32605						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK.fx	11:30:00 AM	32606						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK.fx	1:30:00 PM	32607						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFNOK.fx	3:30:00 PM	32608						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN	9:30:00 AM	32609						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN	11:30:00 AM	32610						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN	1:30:00 PM	32611						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN	3:30:00 PM	32612						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN.fx	9:30:00 AM	32613						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN.fx	11:30:00 AM	32614						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN.fx	1:30:00 PM	32615						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFPLN.fx	3:30:00 PM	32616						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSEK	9:30:00 AM	32617						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	CHFSEK	11:30:00 AM	32618						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSEK	1:30:00 PM	32619						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSEK	3:30:00 PM	32620						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD	9:30:00 AM	32621						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD	11:30:00 AM	32622						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD	1:30:00 PM	32623						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD	3:30:00 PM	32624						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	CHFSGD.fx	11:30:00 AM	32626						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD.fx	1:30:00 PM	32627						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFSGD.fx	3:30:00 PM	32628						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFZAR	9:30:00 AM	32629						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFZAR	11:30:00 AM	32630						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFZAR	1:30:00 PM	32631						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CHFZAR	3:30:00 PM	32632						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CZKJPY	9:30:00 AM	32633						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CZKJPY	11:30:00 AM	32634						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CZKJPY	1:30:00 PM	32635						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	CZKJPY	3:30:00 PM	32636						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DAX30.i	9:30:00 AM	32637						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DAX30.i	11:30:00 AM	32638						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DAX30.i	1:30:00 PM	32639						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DAX30.i	3:30:00 PM	32640						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DJ30.i	9:30:00 AM	32641						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DJ30.i	11:30:00 AM	32642						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DJ30.i	1:30:00 PM	32643						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DJ30.i	3:30:00 PM	32644						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DKKJPY	9:30:00 AM	32645						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DKKJPY	11:30:00 AM	32646						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DKKJPY	1:30:00 PM	32647						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	DKKJPY	3:30:00 PM	32648						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD	9:30:00 AM	32649						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD	11:30:00 AM	32650						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD	1:30:00 PM	32651						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	EURAUD	3:30:00 PM	32652						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD.fx	9:30:00 AM	32653						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD.fx	11:30:00 AM	32654						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD.fx	1:30:00 PM	32655						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURAUD.fx	3:30:00 PM	32656						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD	9:30:00 AM	32657						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD	11:30:00 AM	32658						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD	1:30:00 PM	32659						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD	3:30:00 PM	32660						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD.fx	9:30:00 AM	32661						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD.fx	11:30:00 AM	32662						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD.fx	1:30:00 PM	32663						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCAD.fx	3:30:00 PM	32664						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF	9:30:00 AM	32665						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF	11:30:00 AM	32666						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF	1:30:00 PM	32667						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF	3:30:00 PM	32668						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF.fx	9:30:00 AM	32669						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF.fx	11:30:00 AM	32670						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF.fx	1:30:00 PM	32671						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCHF.fx	3:30:00 PM	32672						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCZK	9:30:00 AM	32673						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCZK	11:30:00 AM	32674						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCZK	1:30:00 PM	32675						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURCZK	3:30:00 PM	32676						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURDKK	9:30:00 AM	32677						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURDKK	11:30:00 AM	32678						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURDKK	1:30:00 PM	32679						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURDKK	3:30:00 PM	32680						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP	9:30:00 AM	32681						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP	11:30:00 AM	32682						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP	1:30:00 PM	32683						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP	3:30:00 PM	32684						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP.fx	9:30:00 AM	32685						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	EURGBP.fx	11:30:00 AM	32686						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP.fx	1:30:00 PM	32687						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURGBP.fx	3:30:00 PM	32688						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD	9:30:00 AM	32689						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD	11:30:00 AM	32690						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD	1:30:00 PM	32691						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD	3:30:00 PM	32692						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	EURHKD.fx	11:30:00 AM	32694						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD.fx	1:30:00 PM	32695						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHKD.fx	3:30:00 PM	32696						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF	9:30:00 AM	32697						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF	11:30:00 AM	32698						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF	1:30:00 PM	32699						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF	3:30:00 PM	32700						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF.fx	9:30:00 AM	32701						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF.fx	11:30:00 AM	32702						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF.fx	1:30:00 PM	32703						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURHUF.fx	3:30:00 PM	32704						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY	9:30:00 AM	32705						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY	11:30:00 AM	32706						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY	1:30:00 PM	32707						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY	3:30:00 PM	32708						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	EURJPY.fx	11:30:00 AM	32710						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY.fx	1:30:00 PM	32711						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURJPY.fx	3:30:00 PM	32712						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN	9:30:00 AM	32713						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN	11:30:00 AM	32714						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN	1:30:00 PM	32715						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN	3:30:00 PM	32716						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN.fx	9:30:00 AM	32717						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN.fx	11:30:00 AM	32718						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURMXN.fx	1:30:00 PM	32719						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	EURMXN.fx	3:30:00 PM	32720						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNOK	9:30:00 AM	32721						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNOK	11:30:00 AM	32722						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNOK	1:30:00 PM	32723						Continuous Quote	N/A	ELECTRONIC	N/A
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10/28/2019	EURNOK.fx	3:30:00 PM	32728						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD	9:30:00 AM	32729						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD	11:30:00 AM	32730						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD	1:30:00 PM	32731						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD	3:30:00 PM	32732						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD.fx	9:30:00 AM	32733						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD.fx	11:30:00 AM	32734						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD.fx	1:30:00 PM	32735						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURNZD.fx	3:30:00 PM	32736						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN	9:30:00 AM	32737						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN	11:30:00 AM	32738						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN	1:30:00 PM	32739						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN	3:30:00 PM	32740						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN.fx	9:30:00 AM	32741						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN.fx	11:30:00 AM	32742						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN.fx	1:30:00 PM	32743						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURPLN.fx	3:30:00 PM	32744						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURRUB	9:30:00 AM	32745						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURRUB	11:30:00 AM	32746						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURRUB	1:30:00 PM	32747						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURRUB	3:30:00 PM	32748						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK	9:30:00 AM	32749						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK	11:30:00 AM	32750						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK	1:30:00 PM	32751						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK	3:30:00 PM	32752						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK.fx	9:30:00 AM	32753						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	EURSEK.fx	11:30:00 AM	32754						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK.fx	1:30:00 PM	32755						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSEK.fx	3:30:00 PM	32756						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD	9:30:00 AM	32757						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD	11:30:00 AM	32758						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD	1:30:00 PM	32759						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD	3:30:00 PM	32760						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD.fx	9:30:00 AM	32761						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD.fx	11:30:00 AM	32762						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD.fx	1:30:00 PM	32763						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURSGD.fx	3:30:00 PM	32764						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD	9:30:00 AM	32765						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD	11:30:00 AM	32766						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD	1:30:00 PM	32767						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD	3:30:00 PM	32768						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD.fx	9:30:00 AM	32769						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD.fx	11:30:00 AM	32770						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD.fx	1:30:00 PM	32771						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURUSD.fx	3:30:00 PM	32772						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR	9:30:00 AM	32773						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR	11:30:00 AM	32774						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR	1:30:00 PM	32775						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR	3:30:00 PM	32776						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR.fx	9:30:00 AM	32777						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR.fx	11:30:00 AM	32778						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR.fx	1:30:00 PM	32779						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	EURZAR.fx	3:30:00 PM	32780						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD	9:30:00 AM	32781						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD	11:30:00 AM	32782						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD	1:30:00 PM	32783						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD	3:30:00 PM	32784						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD.fx	9:30:00 AM	32785						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD.fx	11:30:00 AM	32786						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPAUD.fx	1:30:00 PM	32787						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	GBPAUD.fx	3:30:00 PM	32788						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD	9:30:00 AM	32789						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD	11:30:00 AM	32790						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD	1:30:00 PM	32791						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD	3:30:00 PM	32792						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD.fx	9:30:00 AM	32793						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD.fx	11:30:00 AM	32794						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD.fx	1:30:00 PM	32795						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCAD.fx	3:30:00 PM	32796						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF	9:30:00 AM	32797						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF	11:30:00 AM	32798						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF	1:30:00 PM	32799						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF	3:30:00 PM	32800						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF.fx	9:30:00 AM	32801						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF.fx	11:30:00 AM	32802						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF.fx	1:30:00 PM	32803						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCHF.fx	3:30:00 PM	32804						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCZK	9:30:00 AM	32805						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCZK	11:30:00 AM	32806						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCZK	1:30:00 PM	32807						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPCZK	3:30:00 PM	32808						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK	9:30:00 AM	32809						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK	11:30:00 AM	32810						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK	1:30:00 PM	32811						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK	3:30:00 PM	32812						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK.fx	9:30:00 AM	32813						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK.fx	11:30:00 AM	32814						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK.fx	1:30:00 PM	32815						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPDKK.fx	3:30:00 PM	32816						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHKD	9:30:00 AM	32817						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHKD	11:30:00 AM	32818						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHKD	1:30:00 PM	32819						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHKD	3:30:00 PM	32820						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHUF	9:30:00 AM	32821						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	GBPHUF	11:30:00 AM	32822						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHUF	1:30:00 PM	32823						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPHUF	3:30:00 PM	32824						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY	9:30:00 AM	32825						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY	11:30:00 AM	32826						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY	1:30:00 PM	32827						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY	3:30:00 PM	32828						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY.fx	9:30:00 AM	32829						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY.fx	11:30:00 AM	32830						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY.fx	1:30:00 PM	32831						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPJPY.fx	3:30:00 PM	32832						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPMXN	9:30:00 AM	32833						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPMXN	11:30:00 AM	32834						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPMXN	1:30:00 PM	32835						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPMXN	3:30:00 PM	32836						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK	9:30:00 AM	32837						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK	11:30:00 AM	32838						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK	1:30:00 PM	32839						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK	3:30:00 PM	32840						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK.fx	9:30:00 AM	32841						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK.fx	11:30:00 AM	32842						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK.fx	1:30:00 PM	32843						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNOK.fx	3:30:00 PM	32844						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD	9:30:00 AM	32845						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD	11:30:00 AM	32846						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD	1:30:00 PM	32847						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD	3:30:00 PM	32848						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD.fx	9:30:00 AM	32849						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD.fx	11:30:00 AM	32850						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD.fx	1:30:00 PM	32851						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPNZD.fx	3:30:00 PM	32852						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN	9:30:00 AM	32853						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN	11:30:00 AM	32854						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN	1:30:00 PM	32855						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	GBPPLN	3:30:00 PM	32856						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN.fx	9:30:00 AM	32857						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN.fx	11:30:00 AM	32858						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN.fx	1:30:00 PM	32859						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPPLN.fx	3:30:00 PM	32860						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK	9:30:00 AM	32861						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK	11:30:00 AM	32862						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK	1:30:00 PM	32863						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK	3:30:00 PM	32864						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK.fx	9:30:00 AM	32865						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK.fx	11:30:00 AM	32866						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK.fx	1:30:00 PM	32867						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSEK.fx	3:30:00 PM	32868						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD	9:30:00 AM	32869						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD	11:30:00 AM	32870						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD	1:30:00 PM	32871						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD	3:30:00 PM	32872						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD.fx	9:30:00 AM	32873						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD.fx	11:30:00 AM	32874						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD.fx	1:30:00 PM	32875						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPSGD.fx	3:30:00 PM	32876						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD	9:30:00 AM	32877						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD	11:30:00 AM	32878						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD	1:30:00 PM	32879						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD	3:30:00 PM	32880						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD.fx	9:30:00 AM	32881						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD.fx	11:30:00 AM	32882						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD.fx	1:30:00 PM	32883						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPUSD.fx	3:30:00 PM	32884						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR	9:30:00 AM	32885						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR	11:30:00 AM	32886						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR	1:30:00 PM	32887						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR	3:30:00 PM	32888						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR.fx	9:30:00 AM	32889						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	GBPZAR.fx	11:30:00 AM	32890						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR.fx	1:30:00 PM	32891						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GBPZAR.fx	3:30:00 PM	32892						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GOLD	9:30:00 AM	32893						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GOLD	11:30:00 AM	32894						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GOLD	1:30:00 PM	32895						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	GOLD	3:30:00 PM	32896						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY	9:30:00 AM	32897						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY	11:30:00 AM	32898						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY	1:30:00 PM	32899						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY	3:30:00 PM	32900						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY.fx	9:30:00 AM	32901						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY.fx	11:30:00 AM	32902						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY.fx	1:30:00 PM	32903						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HKDJPY.fx	3:30:00 PM	32904						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HUFJPY	9:30:00 AM	32905						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HUFJPY	11:30:00 AM	32906						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HUFJPY	1:30:00 PM	32907						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	HUFJPY	3:30:00 PM	32908						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	JP225.i	9:30:00 AM	32909						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	JP225.i	11:30:00 AM	32910						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	JP225.i	1:30:00 PM	32911						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	JP225.i	3:30:00 PM	32912						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	MXNJPY	9:30:00 AM	32913						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	MXNJPY	11:30:00 AM	32914						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	MXNJPY	1:30:00 PM	32915						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	MXNJPY	3:30:00 PM	32916						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NASDAQ.i	9:30:00 AM	32917						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NASDAQ.i	11:30:00 AM	32918						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NASDAQ.i	1:30:00 PM	32919						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NASDAQ.i	3:30:00 PM	32920						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY	9:30:00 AM	32921						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY	11:30:00 AM	32922						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY	1:30:00 PM	32923						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	NOKJPY	3:30:00 PM	32924						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY.fx	9:30:00 AM	32925						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY.fx	11:30:00 AM	32926						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY.fx	1:30:00 PM	32927						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NOKJPY.fx	3:30:00 PM	32928						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD	9:30:00 AM	32929						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD	11:30:00 AM	32930						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD	1:30:00 PM	32931						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD	3:30:00 PM	32932						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD.fx	9:30:00 AM	32933						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD.fx	11:30:00 AM	32934						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD.fx	1:30:00 PM	32935						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCAD.fx	3:30:00 PM	32936						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF	9:30:00 AM	32937						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF	11:30:00 AM	32938						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF	1:30:00 PM	32939						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF	3:30:00 PM	32940						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF.fx	9:30:00 AM	32941						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF.fx	11:30:00 AM	32942						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF.fx	1:30:00 PM	32943						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCHF.fx	3:30:00 PM	32944						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCZK	9:30:00 AM	32945						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCZK	11:30:00 AM	32946						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCZK	1:30:00 PM	32947						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDCZK	3:30:00 PM	32948						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDDKK	9:30:00 AM	32949						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDDKK	11:30:00 AM	32950						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDDKK	1:30:00 PM	32951						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDDKK	3:30:00 PM	32952						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHKD	9:30:00 AM	32953						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHKD	11:30:00 AM	32954						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHKD	1:30:00 PM	32955						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHKD	3:30:00 PM	32956						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHUF	9:30:00 AM	32957						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	NZDHUF	11:30:00 AM	32958						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHUF	1:30:00 PM	32959						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDHUF	3:30:00 PM	32960						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY	9:30:00 AM	32961						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY	11:30:00 AM	32962						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY	1:30:00 PM	32963						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY	3:30:00 PM	32964						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY.fx	9:30:00 AM	32965						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY.fx	11:30:00 AM	32966						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY.fx	1:30:00 PM	32967						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDJPY.fx	3:30:00 PM	32968						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDMXN	9:30:00 AM	32969						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDMXN	11:30:00 AM	32970						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDMXN	1:30:00 PM	32971						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDMXN	3:30:00 PM	32972						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDNOK	9:30:00 AM	32973						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDNOK	11:30:00 AM	32974						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDNOK	1:30:00 PM	32975						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDNOK	3:30:00 PM	32976						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDPLN	9:30:00 AM	32977						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDPLN	11:30:00 AM	32978						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDPLN	1:30:00 PM	32979						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDPLN	3:30:00 PM	32980						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSEK	9:30:00 AM	32981						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSEK	11:30:00 AM	32982						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSEK	1:30:00 PM	32983						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSEK	3:30:00 PM	32984						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD	9:30:00 AM	32985						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD	11:30:00 AM	32986						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD	1:30:00 PM	32987						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD	3:30:00 PM	32988						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD.fx	9:30:00 AM	32989						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD.fx	11:30:00 AM	32990						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDSGD.fx	1:30:00 PM	32991						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	NZDSGD.fx	3:30:00 PM	32992						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD	9:30:00 AM	32993						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD	11:30:00 AM	32994						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD	1:30:00 PM	32995						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD	3:30:00 PM	32996						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD.fx	9:30:00 AM	32997						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD.fx	11:30:00 AM	32998						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD.fx	1:30:00 PM	32999						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDUSD.fx	3:30:00 PM	33000						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDZAR	9:30:00 AM	33001						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDZAR	11:30:00 AM	33002						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDZAR	1:30:00 PM	33003						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	NZDZAR	3:30:00 PM	33004						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY	9:30:00 AM	33005						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY	11:30:00 AM	33006						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY	1:30:00 PM	33007						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY	3:30:00 PM	33008						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY.fx	9:30:00 AM	33009						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY.fx	11:30:00 AM	33010						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY.fx	1:30:00 PM	33011						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SEKJPY.fx	3:30:00 PM	33012						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SGDJPY	9:30:00 AM	33013						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SGDJPY	11:30:00 AM	33014						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SGDJPY	1:30:00 PM	33015						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SGDJPY	3:30:00 PM	33016						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SILVER	9:30:00 AM	33017						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SILVER	11:30:00 AM	33018						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SILVER	1:30:00 PM	33019						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SILVER	3:30:00 PM	33020						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SPX500.i	9:30:00 AM	33021						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SPX500.i	11:30:00 AM	33022						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SPX500.i	1:30:00 PM	33023						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	SPX500.i	3:30:00 PM	33024						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	UK100.i	9:30:00 AM	33025						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	UK100.i	11:30:00 AM	33026						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	UK100.i	1:30:00 PM	33027						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	UK100.i	3:30:00 PM	33028						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD	9:30:00 AM	33029						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD	11:30:00 AM	33030						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD	1:30:00 PM	33031						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD	3:30:00 PM	33032						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD.fx	9:30:00 AM	33033						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD.fx	11:30:00 AM	33034						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD.fx	1:30:00 PM	33035						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCAD.fx	3:30:00 PM	33036						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF	9:30:00 AM	33037						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF	11:30:00 AM	33038						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF	1:30:00 PM	33039						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF	3:30:00 PM	33040						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF.fx	9:30:00 AM	33041						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF.fx	11:30:00 AM	33042						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF.fx	1:30:00 PM	33043						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCHF.fx	3:30:00 PM	33044						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK	9:30:00 AM	33045						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK	11:30:00 AM	33046						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK	1:30:00 PM	33047						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK	3:30:00 PM	33048						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK.fx	9:30:00 AM	33049						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK.fx	11:30:00 AM	33050						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK.fx	1:30:00 PM	33051						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDCZK.fx	3:30:00 PM	33052						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK	9:30:00 AM	33053						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK	11:30:00 AM	33054						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK	1:30:00 PM	33055						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK	3:30:00 PM	33056						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK.fx	9:30:00 AM	33057						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK.fx	11:30:00 AM	33058						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDDKK.fx	1:30:00 PM	33059						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	USDDKK.fx	3:30:00 PM	33060						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD	9:30:00 AM	33061						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD	11:30:00 AM	33062						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD	1:30:00 PM	33063						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD	3:30:00 PM	33064						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD.fx	9:30:00 AM	33065						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD.fx	11:30:00 AM	33066						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD.fx	1:30:00 PM	33067						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHKD.fx	3:30:00 PM	33068						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF	9:30:00 AM	33069						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF	11:30:00 AM	33070						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF	1:30:00 PM	33071						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF	3:30:00 PM	33072						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF.fx	9:30:00 AM	33073						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF.fx	11:30:00 AM	33074						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF.fx	1:30:00 PM	33075						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDHUF.fx	3:30:00 PM	33076						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDINR	9:30:00 AM	33077						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDINR	11:30:00 AM	33078						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDINR	1:30:00 PM	33079						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDINR	3:30:00 PM	33080						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY	9:30:00 AM	33081						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY	11:30:00 AM	33082						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY	1:30:00 PM	33083						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY	3:30:00 PM	33084						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY.fx	9:30:00 AM	33085						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY.fx	11:30:00 AM	33086						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY.fx	1:30:00 PM	33087						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDJPY.fx	3:30:00 PM	33088						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN	9:30:00 AM	33089						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN	11:30:00 AM	33090						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN	1:30:00 PM	33091						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN	3:30:00 PM	33092						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	JSDMXN.fx	9:30:00 AM	33093						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	USDMXN.fx	11:30:00 AM	33094						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN.fx	1:30:00 PM	33095						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDMXN.fx	3:30:00 PM	33096						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK	9:30:00 AM	33097						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK	11:30:00 AM	33098						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK	1:30:00 PM	33099						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK	3:30:00 PM	33100						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK.fx	9:30:00 AM	33101						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK.fx	11:30:00 AM	33102						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK.fx	1:30:00 PM	33103						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDNOK.fx	3:30:00 PM	33104						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN	9:30:00 AM	33105						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN	11:30:00 AM	33106						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN	1:30:00 PM	33107						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN	3:30:00 PM	33108						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN.fx	9:30:00 AM	33109						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN.fx	11:30:00 AM	33110						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN.fx	1:30:00 PM	33111						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDPLN.fx	3:30:00 PM	33112						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDRUB	9:30:00 AM	33113						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDRUB	11:30:00 AM	33114						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDRUB	1:30:00 PM	33115						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDRUB	3:30:00 PM	33116						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK	9:30:00 AM	33117						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK	11:30:00 AM	33118						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK	1:30:00 PM	33119						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK	3:30:00 PM	33120						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK.fx	9:30:00 AM	33121						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK.fx	11:30:00 AM	33122						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK.fx	1:30:00 PM	33123						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSEK.fx	3:30:00 PM	33124						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD	9:30:00 AM	33125						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD	11:30:00 AM	33126						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD	1:30:00 PM	33127						Continuous Quote	N/A	ELECTRONIC	N/A

10/28/2019	USDSGD	3:30:00 PM	33128						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD.fx	9:30:00 AM	33129						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD.fx	11:30:00 AM	33130						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD.fx	1:30:00 PM	33131						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDSGD.fx	3:30:00 PM	33132						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR	9:30:00 AM	33133						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR	11:30:00 AM	33134						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR	1:30:00 PM	33135						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR	3:30:00 PM	33136						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR.fx	9:30:00 AM	33137						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR.fx	11:30:00 AM	33138						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR.fx	1:30:00 PM	33139						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	USDZAR.fx	3:30:00 PM	33140						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	XAUUSD	9:30:00 AM	33141						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	XAUUSD	11:30:00 AM	33142						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	XAUUSD	1:30:00 PM	33143						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	XAUUSD	3:30:00 PM	33144						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY	9:30:00 AM	33145						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY	11:30:00 AM	33146						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY	1:30:00 PM	33147						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY	3:30:00 PM	33148						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY.fx	9:30:00 AM	33149						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY.fx	11:30:00 AM	33150						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY.fx	1:30:00 PM	33151						Continuous Quote	N/A	ELECTRONIC	N/A
10/28/2019	ZARJPY.fx	3:30:00 PM	33152						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#AA	3:30:00 PM	33156						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#BHP	3:30:00 PM	33208						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#Bitcoin	3:30:00 PM	33216						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#BTA	9:30:00 AM	33229						Continuous Quote	N/A	ELECTRONIC	N/A

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10/29/2019	#C	3:30:00 PM	33236						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#CMCSA	9:30:00 AM	33249						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#DWDP	3:30:00 PM	33272						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#GILD	9:30:00 AM	33309						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#GILD	11:30:00 AM	33310						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#GILD	3:30:00 PM	33312						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#GOOG	9:30:00 AM	33313						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#GOOG	11:30:00 AM	33314						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#GSK	3:30:00 PM	33324						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#TSLA	3:30:00 PM	33540						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#TWTR	11:30:00 AM	33542						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#UL	3:30:00 PM	33552						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#UPS	11:30:00 AM	33554						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#UTX	11:30:00 AM	33558						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#UTX	3:30:00 PM	33560						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#V	9:30:00 AM	33561						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#V	11:30:00 AM	33562						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#V	3:30:00 PM	33564						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VOD	9:30:00 AM	33565						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VOD	11:30:00 AM	33566						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VOD	1:30:00 PM	33567						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VOD	3:30:00 PM	33568						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VZ	9:30:00 AM	33569						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	#VZ	11:30:00 AM	33570						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VZ	1:30:00 PM	33571						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#VZ	3:30:00 PM	33572						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#WDC	11:30:00 AM	33574						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#WDC	1:30:00 PM	33575						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#WDC	3:30:00 PM	33576						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#WFC	9:30:00 AM	33577						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#WFC	3:30:00 PM	33580						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#WMT	9:30:00 AM	33581						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#WMT	3:30:00 PM	33584						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#XOM	3:30:00 PM	33588						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	#YHOO	1:30:00 PM	33591						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	#YHOO	3:30:00 PM	33592						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDCAD	3:30:00 PM	33600						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDCHF	3:30:00 PM	33608						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDCHF.fx	11:30:00 AM	33610						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDCHF.fx	1:30:00 PM	33611						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDCZK	9:30:00 AM	33613						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDCZK	11:30:00 AM	33614						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDDKK	9:30:00 AM	33617						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDMXN	11:30:00 AM	33638						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDMXN	3:30:00 PM	33640						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDNOK	9:30:00 AM	33641						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDNOK	11:30:00 AM	33642						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDNOK	1:30:00 PM	33643						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDNOK	3:30:00 PM	33644						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	AUDSEK	11:30:00 AM	33662						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDSEK	1:30:00 PM	33663						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	AUDSEK	3:30:00 PM	33664						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	BCHUSD	3:30:00 PM	33696						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADCHF	3:30:00 PM	33700						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADCHF.fx	3:30:00 PM	33704						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADCZK	9:30:00 AM	33705						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	CADCZK	11:30:00 AM	33706						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADCZK	1:30:00 PM	33707						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADCZK	3:30:00 PM	33708						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADDDK	9:30:00 AM	33709						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADDDK	11:30:00 AM	33710						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADDDK	3:30:00 PM	33712						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADHKD	11:30:00 AM	33714						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADHKD	3:30:00 PM	33716						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADHUF	9:30:00 AM	33717						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADHUF	11:30:00 AM	33718						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADHUF	1:30:00 PM	33719						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADJPY	9:30:00 AM	33721						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADJPY	3:30:00 PM	33724						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADJPY.fx	9:30:00 AM	33725						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADJPY.fx	11:30:00 AM	33726						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADMXN	9:30:00 AM	33729						Continuous Quote	N/A	ELECTRONIC	N/A
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10/29/2019	CADNOK	11:30:00 AM	33734						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADNOK	1:30:00 PM	33735						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADNOK	3:30:00 PM	33736						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADPLN	9:30:00 AM	33737						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADPLN	11:30:00 AM	33738						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADPLN	1:30:00 PM	33739						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	CADPLN	3:30:00 PM	33740						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSEK	9:30:00 AM	33741						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSEK	11:30:00 AM	33742						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSEK	1:30:00 PM	33743						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSEK	3:30:00 PM	33744						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSGD	9:30:00 AM	33745						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSGD	11:30:00 AM	33746						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSGD	1:30:00 PM	33747						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADSGD	3:30:00 PM	33748						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADZAR	9:30:00 AM	33749						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADZAR	11:30:00 AM	33750						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADZAR	1:30:00 PM	33751						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CADZAR	3:30:00 PM	33752						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFCZK	9:30:00 AM	33753						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFCZK	11:30:00 AM	33754						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFCZK	1:30:00 PM	33755						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFCZK	3:30:00 PM	33756						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK	9:30:00 AM	33757						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK	11:30:00 AM	33758						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK	1:30:00 PM	33759						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK	3:30:00 PM	33760						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK.fx	9:30:00 AM	33761						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK.fx	11:30:00 AM	33762						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK.fx	1:30:00 PM	33763						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFDKK.fx	3:30:00 PM	33764						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHKD	9:30:00 AM	33765						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHKD	11:30:00 AM	33766						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHKD	1:30:00 PM	33767						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHKD	3:30:00 PM	33768						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHUF	9:30:00 AM	33769						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHUF	11:30:00 AM	33770						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHUF	1:30:00 PM	33771						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFHUF	3:30:00 PM	33772						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY	9:30:00 AM	33773						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	CHFJPY	11:30:00 AM	33774						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY	1:30:00 PM	33775						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY	3:30:00 PM	33776						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY.fx	9:30:00 AM	33777						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY.fx	11:30:00 AM	33778						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY.fx	1:30:00 PM	33779						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFJPY.fx	3:30:00 PM	33780						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFMXN	9:30:00 AM	33781						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFMXN	11:30:00 AM	33782						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFMXN	1:30:00 PM	33783						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFMXN	3:30:00 PM	33784						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK	9:30:00 AM	33785						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK	11:30:00 AM	33786						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK	1:30:00 PM	33787						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK	3:30:00 PM	33788						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK.fx	9:30:00 AM	33789						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK.fx	11:30:00 AM	33790						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK.fx	1:30:00 PM	33791						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFNOK.fx	3:30:00 PM	33792						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN	9:30:00 AM	33793						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN	11:30:00 AM	33794						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN	1:30:00 PM	33795						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN	3:30:00 PM	33796						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN.fx	9:30:00 AM	33797						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN.fx	11:30:00 AM	33798						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN.fx	1:30:00 PM	33799						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFPLN.fx	3:30:00 PM	33800						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSEK	9:30:00 AM	33801						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSEK	11:30:00 AM	33802						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSEK	1:30:00 PM	33803						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSEK	3:30:00 PM	33804						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD	9:30:00 AM	33805						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD	11:30:00 AM	33806						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD	1:30:00 PM	33807						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	CHFSGD	3:30:00 PM	33808						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD.fx	9:30:00 AM	33809						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD.fx	11:30:00 AM	33810						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD.fx	1:30:00 PM	33811						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFSGD.fx	3:30:00 PM	33812						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFZAR	9:30:00 AM	33813						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFZAR	11:30:00 AM	33814						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFZAR	1:30:00 PM	33815						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CHFZAR	3:30:00 PM	33816						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CZKJPY	9:30:00 AM	33817						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CZKJPY	11:30:00 AM	33818						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CZKJPY	1:30:00 PM	33819						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	CZKJPY	3:30:00 PM	33820						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DAX30.i	9:30:00 AM	33821						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DAX30.i	11:30:00 AM	33822						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DAX30.i	1:30:00 PM	33823						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DAX30.i	3:30:00 PM	33824						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DJ30.i	9:30:00 AM	33825						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DJ30.i	11:30:00 AM	33826						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DJ30.i	1:30:00 PM	33827						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DJ30.i	3:30:00 PM	33828						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DKKJPY	9:30:00 AM	33829						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DKKJPY	11:30:00 AM	33830						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DKKJPY	1:30:00 PM	33831						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	DKKJPY	3:30:00 PM	33832						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD	9:30:00 AM	33833						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD	11:30:00 AM	33834						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD	1:30:00 PM	33835						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD	3:30:00 PM	33836						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD.fx	9:30:00 AM	33837						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD.fx	11:30:00 AM	33838						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD.fx	1:30:00 PM	33839						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURAUD.fx	3:30:00 PM	33840						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD	9:30:00 AM	33841						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	EURCAD	11:30:00 AM	33842						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD	1:30:00 PM	33843						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD	3:30:00 PM	33844						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD.fx	9:30:00 AM	33845						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD.fx	11:30:00 AM	33846						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD.fx	1:30:00 PM	33847						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCAD.fx	3:30:00 PM	33848						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF	9:30:00 AM	33849						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF	11:30:00 AM	33850						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF	1:30:00 PM	33851						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF	3:30:00 PM	33852						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF.fx	9:30:00 AM	33853						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF.fx	11:30:00 AM	33854						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF.fx	1:30:00 PM	33855						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCHF.fx	3:30:00 PM	33856						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCZK	9:30:00 AM	33857						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCZK	11:30:00 AM	33858						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCZK	1:30:00 PM	33859						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURCZK	3:30:00 PM	33860						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURDKK	9:30:00 AM	33861						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURDKK	11:30:00 AM	33862						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURDKK	1:30:00 PM	33863						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURDKK	3:30:00 PM	33864						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP	9:30:00 AM	33865						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP	11:30:00 AM	33866						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP	1:30:00 PM	33867						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP	3:30:00 PM	33868						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP.fx	9:30:00 AM	33869						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP.fx	11:30:00 AM	33870						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP.fx	1:30:00 PM	33871						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURGBP.fx	3:30:00 PM	33872						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD	9:30:00 AM	33873						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD	11:30:00 AM	33874						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD	1:30:00 PM	33875						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	EURHKD	3:30:00 PM	33876						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD.fx	9:30:00 AM	33877						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD.fx	11:30:00 AM	33878						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD.fx	1:30:00 PM	33879						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHKD.fx	3:30:00 PM	33880						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF	9:30:00 AM	33881						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF	11:30:00 AM	33882						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF	1:30:00 PM	33883						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF	3:30:00 PM	33884						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF.fx	9:30:00 AM	33885						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF.fx	11:30:00 AM	33886						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF.fx	1:30:00 PM	33887						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURHUF.fx	3:30:00 PM	33888						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY	9:30:00 AM	33889						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY	11:30:00 AM	33890						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY	1:30:00 PM	33891						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY	3:30:00 PM	33892						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY.fx	9:30:00 AM	33893						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY.fx	11:30:00 AM	33894						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY.fx	1:30:00 PM	33895						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURJPY.fx	3:30:00 PM	33896						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN	9:30:00 AM	33897						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN	11:30:00 AM	33898						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN	1:30:00 PM	33899						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN	3:30:00 PM	33900						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN.fx	9:30:00 AM	33901						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN.fx	11:30:00 AM	33902						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN.fx	1:30:00 PM	33903						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURMXN.fx	3:30:00 PM	33904						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK	9:30:00 AM	33905						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK	11:30:00 AM	33906						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK	1:30:00 PM	33907						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK	3:30:00 PM	33908						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK.fx	9:30:00 AM	33909						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	EURNOK.fx	11:30:00 AM	33910						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK.fx	1:30:00 PM	33911						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNOK.fx	3:30:00 PM	33912						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD	9:30:00 AM	33913						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD	11:30:00 AM	33914						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD	1:30:00 PM	33915						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD	3:30:00 PM	33916						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD.fx	9:30:00 AM	33917						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD.fx	11:30:00 AM	33918						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD.fx	1:30:00 PM	33919						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURNZD.fx	3:30:00 PM	33920						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN	9:30:00 AM	33921						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN	11:30:00 AM	33922						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN	1:30:00 PM	33923						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN	3:30:00 PM	33924						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN.fx	9:30:00 AM	33925						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN.fx	11:30:00 AM	33926						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN.fx	1:30:00 PM	33927						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURPLN.fx	3:30:00 PM	33928						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURRUB	9:30:00 AM	33929						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURRUB	11:30:00 AM	33930						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURRUB	1:30:00 PM	33931						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURRUB	3:30:00 PM	33932						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK	9:30:00 AM	33933						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK	11:30:00 AM	33934						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK	1:30:00 PM	33935						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK	3:30:00 PM	33936						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK.fx	9:30:00 AM	33937						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK.fx	11:30:00 AM	33938						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK.fx	1:30:00 PM	33939						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSEK.fx	3:30:00 PM	33940						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD	9:30:00 AM	33941						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD	11:30:00 AM	33942						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD	1:30:00 PM	33943						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	EURSGD	3:30:00 PM	33944						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD.fx	9:30:00 AM	33945						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD.fx	11:30:00 AM	33946						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD.fx	1:30:00 PM	33947						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURSGD.fx	3:30:00 PM	33948						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD	9:30:00 AM	33949						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD	11:30:00 AM	33950						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD	1:30:00 PM	33951						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD	3:30:00 PM	33952						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD.fx	9:30:00 AM	33953						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD.fx	11:30:00 AM	33954						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD.fx	1:30:00 PM	33955						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURUSD.fx	3:30:00 PM	33956						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR	9:30:00 AM	33957						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR	11:30:00 AM	33958						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR	1:30:00 PM	33959						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR	3:30:00 PM	33960						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR.fx	9:30:00 AM	33961						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR.fx	11:30:00 AM	33962						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR.fx	1:30:00 PM	33963						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	EURZAR.fx	3:30:00 PM	33964						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD	9:30:00 AM	33965						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD	11:30:00 AM	33966						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD	1:30:00 PM	33967						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD	3:30:00 PM	33968						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD.fx	9:30:00 AM	33969						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD.fx	11:30:00 AM	33970						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD.fx	1:30:00 PM	33971						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPAUD.fx	3:30:00 PM	33972						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD	9:30:00 AM	33973						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD	11:30:00 AM	33974						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD	1:30:00 PM	33975						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD	3:30:00 PM	33976						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD.fx	9:30:00 AM	33977						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	GBPCAD.fx	11:30:00 AM	33978						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD.fx	1:30:00 PM	33979						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCAD.fx	3:30:00 PM	33980						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF	9:30:00 AM	33981						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF	11:30:00 AM	33982						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF	1:30:00 PM	33983						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF	3:30:00 PM	33984						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF.fx	9:30:00 AM	33985						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF.fx	11:30:00 AM	33986						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF.fx	1:30:00 PM	33987						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCHF.fx	3:30:00 PM	33988						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCZK	9:30:00 AM	33989						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCZK	11:30:00 AM	33990						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCZK	1:30:00 PM	33991						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPCZK	3:30:00 PM	33992						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK	9:30:00 AM	33993						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK	11:30:00 AM	33994						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK	1:30:00 PM	33995						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK	3:30:00 PM	33996						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK.fx	9:30:00 AM	33997						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK.fx	11:30:00 AM	33998						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK.fx	1:30:00 PM	33999						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPDKK.fx	3:30:00 PM	34000						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHKD	9:30:00 AM	34001						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHKD	11:30:00 AM	34002						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHKD	1:30:00 PM	34003						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHKD	3:30:00 PM	34004						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHUF	9:30:00 AM	34005						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHUF	11:30:00 AM	34006						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHUF	1:30:00 PM	34007						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPHUF	3:30:00 PM	34008						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY	9:30:00 AM	34009						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY	11:30:00 AM	34010						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY	1:30:00 PM	34011						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	GBPJPY	3:30:00 PM	34012						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY.fx	9:30:00 AM	34013						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY.fx	11:30:00 AM	34014						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY.fx	1:30:00 PM	34015						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPJPY.fx	3:30:00 PM	34016						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPMXN	9:30:00 AM	34017						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPMXN	11:30:00 AM	34018						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPMXN	1:30:00 PM	34019						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPMXN	3:30:00 PM	34020						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK	9:30:00 AM	34021						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK	11:30:00 AM	34022						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK	1:30:00 PM	34023						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK	3:30:00 PM	34024						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK.fx	9:30:00 AM	34025						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK.fx	11:30:00 AM	34026						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK.fx	1:30:00 PM	34027						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNOK.fx	3:30:00 PM	34028						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD	9:30:00 AM	34029						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD	11:30:00 AM	34030						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD	1:30:00 PM	34031						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD	3:30:00 PM	34032						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD.fx	9:30:00 AM	34033						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD.fx	11:30:00 AM	34034						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD.fx	1:30:00 PM	34035						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPNZD.fx	3:30:00 PM	34036						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN	9:30:00 AM	34037						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN	11:30:00 AM	34038						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN	1:30:00 PM	34039						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN	3:30:00 PM	34040						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN.fx	9:30:00 AM	34041						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN.fx	11:30:00 AM	34042						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN.fx	1:30:00 PM	34043						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPPLN.fx	3:30:00 PM	34044						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK	9:30:00 AM	34045						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	GBPSEK	11:30:00 AM	34046						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK	1:30:00 PM	34047						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK	3:30:00 PM	34048						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK.fx	9:30:00 AM	34049						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK.fx	11:30:00 AM	34050						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK.fx	1:30:00 PM	34051						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSEK.fx	3:30:00 PM	34052						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD	9:30:00 AM	34053						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD	11:30:00 AM	34054						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD	1:30:00 PM	34055						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD	3:30:00 PM	34056						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD.fx	9:30:00 AM	34057						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD.fx	11:30:00 AM	34058						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD.fx	1:30:00 PM	34059						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPSGD.fx	3:30:00 PM	34060						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD	9:30:00 AM	34061						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD	11:30:00 AM	34062						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD	1:30:00 PM	34063						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD	3:30:00 PM	34064						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD.fx	9:30:00 AM	34065						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD.fx	11:30:00 AM	34066						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD.fx	1:30:00 PM	34067						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPUSD.fx	3:30:00 PM	34068						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR	9:30:00 AM	34069						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR	11:30:00 AM	34070						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR	1:30:00 PM	34071						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR	3:30:00 PM	34072						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR.fx	9:30:00 AM	34073						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR.fx	11:30:00 AM	34074						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR.fx	1:30:00 PM	34075						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GBPZAR.fx	3:30:00 PM	34076						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GOLD	9:30:00 AM	34077						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GOLD	11:30:00 AM	34078						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	GOLD	1:30:00 PM	34079						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	GOLD	3:30:00 PM	34080						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY	9:30:00 AM	34081						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY	11:30:00 AM	34082						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY	1:30:00 PM	34083						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY	3:30:00 PM	34084						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY.fx	9:30:00 AM	34085						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY.fx	11:30:00 AM	34086						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY.fx	1:30:00 PM	34087						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HKDJPY.fx	3:30:00 PM	34088						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HUFJPY	9:30:00 AM	34089						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HUFJPY	11:30:00 AM	34090						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HUFJPY	1:30:00 PM	34091						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	HUFJPY	3:30:00 PM	34092						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JP225.i	9:30:00 AM	34093						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JP225.i	11:30:00 AM	34094						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JP225.i	1:30:00 PM	34095						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JP225.i	3:30:00 PM	34096						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	MXNJPY	9:30:00 AM	34097						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	MXNJPY	11:30:00 AM	34098						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	MXNJPY	1:30:00 PM	34099						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	MXNJPY	3:30:00 PM	34100						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NASDAQ.i	9:30:00 AM	34101						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NASDAQ.i	11:30:00 AM	34102						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NASDAQ.i	1:30:00 PM	34103						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NASDAQ.i	3:30:00 PM	34104						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY	9:30:00 AM	34105						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY	11:30:00 AM	34106						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY	1:30:00 PM	34107						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY	3:30:00 PM	34108						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY.fx	9:30:00 AM	34109						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY.fx	11:30:00 AM	34110						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY.fx	1:30:00 PM	34111						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NOKJPY.fx	3:30:00 PM	34112						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD	9:30:00 AM	34113						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	NZDCAD	11:30:00 AM	34114						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD	1:30:00 PM	34115						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD	3:30:00 PM	34116						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD.fx	9:30:00 AM	34117						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD.fx	11:30:00 AM	34118						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD.fx	1:30:00 PM	34119						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCAD.fx	3:30:00 PM	34120						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF	9:30:00 AM	34121						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF	11:30:00 AM	34122						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF	1:30:00 PM	34123						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF	3:30:00 PM	34124						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF.fx	9:30:00 AM	34125						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF.fx	11:30:00 AM	34126						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF.fx	1:30:00 PM	34127						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCHF.fx	3:30:00 PM	34128						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCZK	9:30:00 AM	34129						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCZK	11:30:00 AM	34130						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCZK	1:30:00 PM	34131						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDCZK	3:30:00 PM	34132						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDDKK	9:30:00 AM	34133						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDDKK	11:30:00 AM	34134						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDDKK	1:30:00 PM	34135						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDDKK	3:30:00 PM	34136						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHKD	9:30:00 AM	34137						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHKD	11:30:00 AM	34138						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHKD	1:30:00 PM	34139						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHKD	3:30:00 PM	34140						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHUF	9:30:00 AM	34141						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHUF	11:30:00 AM	34142						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHUF	1:30:00 PM	34143						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDHUF	3:30:00 PM	34144						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY	9:30:00 AM	34145						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY	11:30:00 AM	34146						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY	1:30:00 PM	34147						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	NZDJPY	3:30:00 PM	34148						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY.fx	9:30:00 AM	34149						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY.fx	11:30:00 AM	34150						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY.fx	1:30:00 PM	34151						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDJPY.fx	3:30:00 PM	34152						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDMXN	9:30:00 AM	34153						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDMXN	11:30:00 AM	34154						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDMXN	1:30:00 PM	34155						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDMXN	3:30:00 PM	34156						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDNOK	9:30:00 AM	34157						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDNOK	11:30:00 AM	34158						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDNOK	1:30:00 PM	34159						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDNOK	3:30:00 PM	34160						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDPLN	9:30:00 AM	34161						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDPLN	11:30:00 AM	34162						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDPLN	1:30:00 PM	34163						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDPLN	3:30:00 PM	34164						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSEK	9:30:00 AM	34165						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSEK	11:30:00 AM	34166						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSEK	1:30:00 PM	34167						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSEK	3:30:00 PM	34168						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD	9:30:00 AM	34169						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD	11:30:00 AM	34170						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD	1:30:00 PM	34171						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD	3:30:00 PM	34172						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD.fx	9:30:00 AM	34173						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD.fx	11:30:00 AM	34174						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD.fx	1:30:00 PM	34175						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDSGD.fx	3:30:00 PM	34176						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD	9:30:00 AM	34177						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD	11:30:00 AM	34178						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD	1:30:00 PM	34179						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD	3:30:00 PM	34180						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD.fx	9:30:00 AM	34181						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	NZDUSD.fx	11:30:00 AM	34182						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD.fx	1:30:00 PM	34183						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDUSD.fx	3:30:00 PM	34184						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDZAR	9:30:00 AM	34185						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDZAR	11:30:00 AM	34186						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDZAR	1:30:00 PM	34187						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	NZDZAR	3:30:00 PM	34188						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY	9:30:00 AM	34189						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY	11:30:00 AM	34190						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY	1:30:00 PM	34191						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY	3:30:00 PM	34192						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY.fx	9:30:00 AM	34193						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY.fx	11:30:00 AM	34194						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY.fx	1:30:00 PM	34195						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SEKJPY.fx	3:30:00 PM	34196						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SGDJPY	9:30:00 AM	34197						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SGDJPY	11:30:00 AM	34198						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SGDJPY	1:30:00 PM	34199						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SGDJPY	3:30:00 PM	34200						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SILVER	9:30:00 AM	34201						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SILVER	11:30:00 AM	34202						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SILVER	1:30:00 PM	34203						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SILVER	3:30:00 PM	34204						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SPX500.i	9:30:00 AM	34205						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SPX500.i	11:30:00 AM	34206						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SPX500.i	1:30:00 PM	34207						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	SPX500.i	3:30:00 PM	34208						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	UK100.i	9:30:00 AM	34209						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	UK100.i	11:30:00 AM	34210						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	UK100.i	1:30:00 PM	34211						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	UK100.i	3:30:00 PM	34212						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD	9:30:00 AM	34213						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD	11:30:00 AM	34214						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD	1:30:00 PM	34215						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	USDCAD	3:30:00 PM	34216						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD.fx	9:30:00 AM	34217						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD.fx	11:30:00 AM	34218						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD.fx	1:30:00 PM	34219						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCAD.fx	3:30:00 PM	34220						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF	9:30:00 AM	34221						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF	11:30:00 AM	34222						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF	1:30:00 PM	34223						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF	3:30:00 PM	34224						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF.fx	9:30:00 AM	34225						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF.fx	11:30:00 AM	34226						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF.fx	1:30:00 PM	34227						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCHEF.fx	3:30:00 PM	34228						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK	9:30:00 AM	34229						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK	11:30:00 AM	34230						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK	1:30:00 PM	34231						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK	3:30:00 PM	34232						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK.fx	9:30:00 AM	34233						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK.fx	11:30:00 AM	34234						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK.fx	1:30:00 PM	34235						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDCZK.fx	3:30:00 PM	34236						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK	9:30:00 AM	34237						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK	11:30:00 AM	34238						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK	1:30:00 PM	34239						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK	3:30:00 PM	34240						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK.fx	9:30:00 AM	34241						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK.fx	11:30:00 AM	34242						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK.fx	1:30:00 PM	34243						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDDKK.fx	3:30:00 PM	34244						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD	9:30:00 AM	34245						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD	11:30:00 AM	34246						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD	1:30:00 PM	34247						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD	3:30:00 PM	34248						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD.fx	9:30:00 AM	34249						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	USDHKD.fx	11:30:00 AM	34250						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD.fx	1:30:00 PM	34251						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHKD.fx	3:30:00 PM	34252						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF	9:30:00 AM	34253						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF	11:30:00 AM	34254						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF	1:30:00 PM	34255						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF	3:30:00 PM	34256						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF.fx	9:30:00 AM	34257						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF.fx	11:30:00 AM	34258						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF.fx	1:30:00 PM	34259						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDHUF.fx	3:30:00 PM	34260						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDINR	9:30:00 AM	34261						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDINR	11:30:00 AM	34262						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDINR	1:30:00 PM	34263						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDINR	3:30:00 PM	34264						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY	9:30:00 AM	34265						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY	11:30:00 AM	34266						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY	1:30:00 PM	34267						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY	3:30:00 PM	34268						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY.fx	9:30:00 AM	34269						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY.fx	11:30:00 AM	34270						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY.fx	1:30:00 PM	34271						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDJPY.fx	3:30:00 PM	34272						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDMXN	9:30:00 AM	34273						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDMXN	11:30:00 AM	34274						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDMXN	1:30:00 PM	34275						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDMXN	3:30:00 PM	34276						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JSDMXN.fx	9:30:00 AM	34277						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JSDMXN.fx	11:30:00 AM	34278						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JSDMXN.fx	1:30:00 PM	34279						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	JSDMXN.fx	3:30:00 PM	34280						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK	9:30:00 AM	34281						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK	11:30:00 AM	34282						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK	1:30:00 PM	34283						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	USDNOK	3:30:00 PM	34284						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK.fx	9:30:00 AM	34285						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK.fx	11:30:00 AM	34286						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK.fx	1:30:00 PM	34287						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDNOK.fx	3:30:00 PM	34288						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN	9:30:00 AM	34289						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN	11:30:00 AM	34290						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN	1:30:00 PM	34291						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN	3:30:00 PM	34292						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN.fx	9:30:00 AM	34293						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN.fx	11:30:00 AM	34294						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN.fx	1:30:00 PM	34295						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDPLN.fx	3:30:00 PM	34296						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDRUB	9:30:00 AM	34297						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDRUB	11:30:00 AM	34298						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDRUB	1:30:00 PM	34299						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDRUB	3:30:00 PM	34300						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK	9:30:00 AM	34301						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK	11:30:00 AM	34302						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK	1:30:00 PM	34303						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK	3:30:00 PM	34304						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK.fx	9:30:00 AM	34305						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK.fx	11:30:00 AM	34306						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK.fx	1:30:00 PM	34307						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSEK.fx	3:30:00 PM	34308						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD	9:30:00 AM	34309						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD	11:30:00 AM	34310						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD	1:30:00 PM	34311						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD	3:30:00 PM	34312						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD.fx	9:30:00 AM	34313						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD.fx	11:30:00 AM	34314						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD.fx	1:30:00 PM	34315						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDSGD.fx	3:30:00 PM	34316						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR	9:30:00 AM	34317						Continuous Quote	N/A	ELECTRONIC	N/A

10/29/2019	USDZAR	11:30:00 AM	34318						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR	1:30:00 PM	34319						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR	3:30:00 PM	34320						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR.fx	9:30:00 AM	34321						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR.fx	11:30:00 AM	34322						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR.fx	1:30:00 PM	34323						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	USDZAR.fx	3:30:00 PM	34324						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	XAUUSD	9:30:00 AM	34325						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	XAUUSD	11:30:00 AM	34326						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	XAUUSD	1:30:00 PM	34327						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	XAUUSD	3:30:00 PM	34328						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY	9:30:00 AM	34329						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY	11:30:00 AM	34330						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY	1:30:00 PM	34331						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY	3:30:00 PM	34332						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY.fx	9:30:00 AM	34333						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY.fx	11:30:00 AM	34334						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY.fx	1:30:00 PM	34335						Continuous Quote	N/A	ELECTRONIC	N/A
10/29/2019	ZARJPY.fx	3:30:00 PM	34336						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AA	9:30:00 AM	34337						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AA	11:30:00 AM	34338						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AA	1:30:00 PM	34339						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AA	3:30:00 PM	34340						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AABA	9:30:00 AM	34341						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AABA	11:30:00 AM	34342						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AABA	1:30:00 PM	34343						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AABA	3:30:00 PM	34344						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAL	9:30:00 AM	34345						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAL	11:30:00 AM	34346						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAL	1:30:00 PM	34347						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAL	3:30:00 PM	34348						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAPL	9:30:00 AM	34349						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAPL	11:30:00 AM	34350						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AAPL	1:30:00 PM	34351						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#AAPL	3:30:00 PM	34352						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ADBE	9:30:00 AM	34353						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ADBE	11:30:00 AM	34354						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ADBE	1:30:00 PM	34355						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ADBE	3:30:00 PM	34356						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AIG	9:30:00 AM	34357						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AIG	11:30:00 AM	34358						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AIG	1:30:00 PM	34359						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AIG	3:30:00 PM	34360						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMD	9:30:00 AM	34361						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMD	11:30:00 AM	34362						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMD	1:30:00 PM	34363						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMD	3:30:00 PM	34364						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMZN	9:30:00 AM	34365						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMZN	11:30:00 AM	34366						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMZN	1:30:00 PM	34367						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AMZN	3:30:00 PM	34368						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AXP	9:30:00 AM	34369						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AXP	11:30:00 AM	34370						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AXP	1:30:00 PM	34371						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#AXP	3:30:00 PM	34372						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BA	9:30:00 AM	34373						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BA	11:30:00 AM	34374						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BA	1:30:00 PM	34375						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BA	3:30:00 PM	34376						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BABA	9:30:00 AM	34377						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BABA	11:30:00 AM	34378						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BABA	1:30:00 PM	34379						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BABA	3:30:00 PM	34380						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BAC	9:30:00 AM	34381						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BAC	11:30:00 AM	34382						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BAC	1:30:00 PM	34383						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BAC	3:30:00 PM	34384						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BARC	9:30:00 AM	34385						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#BARC	11:30:00 AM	34386						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BARC	1:30:00 PM	34387						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BARC	3:30:00 PM	34388						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BHP	9:30:00 AM	34389						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BHP	11:30:00 AM	34390						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BHP	1:30:00 PM	34391						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BHP	3:30:00 PM	34392						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BIDU	9:30:00 AM	34393						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BIDU	11:30:00 AM	34394						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BIDU	1:30:00 PM	34395						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BIDU	3:30:00 PM	34396						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Bitcoin	9:30:00 AM	34397						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Bitcoin	11:30:00 AM	34398						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Bitcoin	1:30:00 PM	34399						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Bitcoin	3:30:00 PM	34400						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BK	9:30:00 AM	34401						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BK	11:30:00 AM	34402						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BK	1:30:00 PM	34403						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BK	3:30:00 PM	34404						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BLT	9:30:00 AM	34405						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BLT	11:30:00 AM	34406						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BLT	1:30:00 PM	34407						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BLT	3:30:00 PM	34408						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BP	9:30:00 AM	34409						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BP	11:30:00 AM	34410						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BP	1:30:00 PM	34411						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BP	3:30:00 PM	34412						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BTA	9:30:00 AM	34413						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BTA	11:30:00 AM	34414						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BTA	1:30:00 PM	34415						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#BTA	3:30:00 PM	34416						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#C	9:30:00 AM	34417						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#C	11:30:00 AM	34418						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#C	1:30:00 PM	34419						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#C	3:30:00 PM	34420						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#CAT	3:30:00 PM	34424						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CHL	9:30:00 AM	34425						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#CHL	1:30:00 PM	34427						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CHL	3:30:00 PM	34428						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CL.f	9:30:00 AM	34429						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CL.f	11:30:00 AM	34430						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CL.f	1:30:00 PM	34431						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CL.f	3:30:00 PM	34432						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CMCSA	9:30:00 AM	34433						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CMCSA	11:30:00 AM	34434						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CMCSA	1:30:00 PM	34435						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CMCSA	3:30:00 PM	34436						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CSCO	9:30:00 AM	34437						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CSCO	11:30:00 AM	34438						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CSCO	1:30:00 PM	34439						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CSCO	3:30:00 PM	34440						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CVX	9:30:00 AM	34441						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CVX	11:30:00 AM	34442						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CVX	1:30:00 PM	34443						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#CVX	3:30:00 PM	34444						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DD	9:30:00 AM	34445						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DD	11:30:00 AM	34446						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DD	1:30:00 PM	34447						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DD	3:30:00 PM	34448						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DIS	9:30:00 AM	34449						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DIS	11:30:00 AM	34450						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#DIS	3:30:00 PM	34452						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DWDP	9:30:00 AM	34453						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#DWD	11:30:00 AM	34454						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DWD	1:30:00 PM	34455						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#DWD	3:30:00 PM	34456						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#EBAY	11:30:00 AM	34458						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#EBAY	1:30:00 PM	34459						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#EBAY	3:30:00 PM	34460						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Ethereum	9:30:00 AM	34461						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Ethereum	11:30:00 AM	34462						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Ethereum	1:30:00 PM	34463						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#Ethereum	3:30:00 PM	34464						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#F	9:30:00 AM	34465						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#FB	9:30:00 AM	34469						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#FB	3:30:00 PM	34472						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FCX	9:30:00 AM	34473						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FCX	11:30:00 AM	34474						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FCX	1:30:00 PM	34475						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FCX	3:30:00 PM	34476						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FDX	9:30:00 AM	34477						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#FDX	3:30:00 PM	34480						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#FSLR	9:30:00 AM	34481						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#FSLR	3:30:00 PM	34484						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GE	9:30:00 AM	34485						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GE	11:30:00 AM	34486						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GE	1:30:00 PM	34487						Continuous Quote	N/A	ELECTRONIC	N/A

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10/30/2019	#GEN	3:30:00 PM	34492						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GILD	9:30:00 AM	34493						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GILD	11:30:00 AM	34494						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GILD	1:30:00 PM	34495						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GILD	3:30:00 PM	34496						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GOOG	9:30:00 AM	34497						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#GOOG	1:30:00 PM	34499						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GOOG	3:30:00 PM	34500						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GS	9:30:00 AM	34501						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#GS	3:30:00 PM	34504						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#GSK	1:30:00 PM	34507						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#GSK	3:30:00 PM	34508						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#HAL	9:30:00 AM	34509						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#HAL	11:30:00 AM	34510						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#HAL	1:30:00 PM	34511						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#HD	9:30:00 AM	34513						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#HON	11:30:00 AM	34518						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#HON	3:30:00 PM	34520						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#HPQ	9:30:00 AM	34521						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#HPQ	11:30:00 AM	34522						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#TWTR	1:30:00 PM	34727						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#TWTR	3:30:00 PM	34728						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UBS	9:30:00 AM	34729						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UBS	11:30:00 AM	34730						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UBS	1:30:00 PM	34731						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UBS	3:30:00 PM	34732						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UL	9:30:00 AM	34733						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UL	11:30:00 AM	34734						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UL	1:30:00 PM	34735						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UL	3:30:00 PM	34736						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UPS	9:30:00 AM	34737						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UPS	11:30:00 AM	34738						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UPS	1:30:00 PM	34739						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UPS	3:30:00 PM	34740						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UTX	9:30:00 AM	34741						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UTX	11:30:00 AM	34742						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UTX	1:30:00 PM	34743						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#UTX	3:30:00 PM	34744						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#V	9:30:00 AM	34745						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#V	11:30:00 AM	34746						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#V	1:30:00 PM	34747						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#V	3:30:00 PM	34748						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VOD	9:30:00 AM	34749						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VOD	11:30:00 AM	34750						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VOD	1:30:00 PM	34751						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VOD	3:30:00 PM	34752						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VZ	9:30:00 AM	34753						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VZ	11:30:00 AM	34754						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VZ	1:30:00 PM	34755						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#VZ	3:30:00 PM	34756						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WDC	9:30:00 AM	34757						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WDC	11:30:00 AM	34758						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WDC	1:30:00 PM	34759						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	#WDC	3:30:00 PM	34760						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WFC	9:30:00 AM	34761						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WFC	11:30:00 AM	34762						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WFC	1:30:00 PM	34763						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WFC	3:30:00 PM	34764						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#WMT	11:30:00 AM	34766						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WMT	1:30:00 PM	34767						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#WMT	3:30:00 PM	34768						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#XOM	9:30:00 AM	34769						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	#XOM	1:30:00 PM	34771						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#XOM	3:30:00 PM	34772						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#YHOO	9:30:00 AM	34773						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#YHOO	11:30:00 AM	34774						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#YHOO	1:30:00 PM	34775						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#YHOO	3:30:00 PM	34776						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ZNGA	9:30:00 AM	34777						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ZNGA	11:30:00 AM	34778						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ZNGA	1:30:00 PM	34779						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	#ZNGA	3:30:00 PM	34780						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDCAD	11:30:00 AM	34782						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCAD	1:30:00 PM	34783						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCAD	3:30:00 PM	34784						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDCAD.fx	3:30:00 PM	34788						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCHF	9:30:00 AM	34789						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCHF	11:30:00 AM	34790						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCHF	1:30:00 PM	34791						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCHF	3:30:00 PM	34792						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCHF.fx	9:30:00 AM	34793						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	AUDCHF.fx	11:30:00 AM	34794						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDCHF.fx	3:30:00 PM	34796						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCZK	9:30:00 AM	34797						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCZK	11:30:00 AM	34798						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCZK	1:30:00 PM	34799						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDCZK	3:30:00 PM	34800						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDDKK	9:30:00 AM	34801						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDDKK	11:30:00 AM	34802						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDDKK	1:30:00 PM	34803						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDDKK	3:30:00 PM	34804						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDHKD	9:30:00 AM	34805						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDHKD	11:30:00 AM	34806						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDHKD	1:30:00 PM	34807						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDHKD	3:30:00 PM	34808						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDJPY	11:30:00 AM	34814						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDJPY	3:30:00 PM	34816						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDMXN	9:30:00 AM	34821						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDMXN	11:30:00 AM	34822						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDMXN	3:30:00 PM	34824						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNOK	9:30:00 AM	34825						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNOK	11:30:00 AM	34826						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNOK	1:30:00 PM	34827						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	AUDNOK	3:30:00 PM	34828						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDNOK.fx	11:30:00 AM	34830						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNOK.fx	1:30:00 PM	34831						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNOK.fx	3:30:00 PM	34832						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDNZD	11:30:00 AM	34834						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD	1:30:00 PM	34835						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD	3:30:00 PM	34836						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD.fx	9:30:00 AM	34837						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD.fx	11:30:00 AM	34838						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD.fx	1:30:00 PM	34839						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDNZD.fx	3:30:00 PM	34840						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDPLN	9:30:00 AM	34841						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDPLN	11:30:00 AM	34842						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDPLN	3:30:00 PM	34844						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSEK	9:30:00 AM	34845						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSEK	11:30:00 AM	34846						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSEK	1:30:00 PM	34847						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSEK	3:30:00 PM	34848						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDSEK.fx	3:30:00 PM	34852						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD	9:30:00 AM	34853						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD	11:30:00 AM	34854						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDSGD	3:30:00 PM	34856						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD.fx	9:30:00 AM	34857						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD.fx	11:30:00 AM	34858						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD.fx	1:30:00 PM	34859						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDSGD.fx	3:30:00 PM	34860						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDUSD	9:30:00 AM	34861						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	AUDUSD	11:30:00 AM	34862						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDUSD	1:30:00 PM	34863						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUDUSD	3:30:00 PM	34864						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDUSD.fx	3:30:00 PM	34868						Continuous Quote	N/A	ELECTRONIC	N/A
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10/30/2019	AUDZAR	3:30:00 PM	34872						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUS200.i	9:30:00 AM	34873						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUS200.i	11:30:00 AM	34874						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUS200.i	1:30:00 PM	34875						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	AUS200.i	3:30:00 PM	34876						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	BCHUSD	9:30:00 AM	34877						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	BCHUSD	11:30:00 AM	34878						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	BCHUSD	1:30:00 PM	34879						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	BCHUSD	3:30:00 PM	34880						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF	9:30:00 AM	34881						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF	11:30:00 AM	34882						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF	1:30:00 PM	34883						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF	3:30:00 PM	34884						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF.fx	9:30:00 AM	34885						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF.fx	11:30:00 AM	34886						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF.fx	1:30:00 PM	34887						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCHF.fx	3:30:00 PM	34888						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCZK	9:30:00 AM	34889						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCZK	11:30:00 AM	34890						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCZK	1:30:00 PM	34891						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADCZK	3:30:00 PM	34892						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADDDKK	9:30:00 AM	34893						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADDDKK	11:30:00 AM	34894						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADDDKK	1:30:00 PM	34895						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	CADDKK	3:30:00 PM	34896						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHKD	9:30:00 AM	34897						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHKD	11:30:00 AM	34898						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHKD	1:30:00 PM	34899						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHKD	3:30:00 PM	34900						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHUF	9:30:00 AM	34901						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHUF	11:30:00 AM	34902						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHUF	1:30:00 PM	34903						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADHUF	3:30:00 PM	34904						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY	9:30:00 AM	34905						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY	11:30:00 AM	34906						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY	1:30:00 PM	34907						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY	3:30:00 PM	34908						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY.fx	9:30:00 AM	34909						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY.fx	11:30:00 AM	34910						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY.fx	1:30:00 PM	34911						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADJPY.fx	3:30:00 PM	34912						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADMXN	9:30:00 AM	34913						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADMXN	11:30:00 AM	34914						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADMXN	1:30:00 PM	34915						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADMXN	3:30:00 PM	34916						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADNOK	9:30:00 AM	34917						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADNOK	11:30:00 AM	34918						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADNOK	1:30:00 PM	34919						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADNOK	3:30:00 PM	34920						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADPLN	9:30:00 AM	34921						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADPLN	11:30:00 AM	34922						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADPLN	1:30:00 PM	34923						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADPLN	3:30:00 PM	34924						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSEK	9:30:00 AM	34925						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSEK	11:30:00 AM	34926						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSEK	1:30:00 PM	34927						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSEK	3:30:00 PM	34928						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSGD	9:30:00 AM	34929						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	CADSGD	11:30:00 AM	34930						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSGD	1:30:00 PM	34931						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADSGD	3:30:00 PM	34932						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADZAR	9:30:00 AM	34933						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADZAR	11:30:00 AM	34934						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADZAR	1:30:00 PM	34935						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CADZAR	3:30:00 PM	34936						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFCZK	9:30:00 AM	34937						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFCZK	11:30:00 AM	34938						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFCZK	1:30:00 PM	34939						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFCZK	3:30:00 PM	34940						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK	9:30:00 AM	34941						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK	11:30:00 AM	34942						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK	1:30:00 PM	34943						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK	3:30:00 PM	34944						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK.fx	9:30:00 AM	34945						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK.fx	11:30:00 AM	34946						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK.fx	1:30:00 PM	34947						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFDKK.fx	3:30:00 PM	34948						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHKD	9:30:00 AM	34949						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHKD	11:30:00 AM	34950						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHKD	1:30:00 PM	34951						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHKD	3:30:00 PM	34952						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHUF	9:30:00 AM	34953						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHUF	11:30:00 AM	34954						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHUF	1:30:00 PM	34955						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFHUF	3:30:00 PM	34956						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY	9:30:00 AM	34957						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY	11:30:00 AM	34958						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY	1:30:00 PM	34959						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY	3:30:00 PM	34960						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY.fx	9:30:00 AM	34961						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY.fx	11:30:00 AM	34962						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFJPY.fx	1:30:00 PM	34963						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	CHFJPY.fx	3:30:00 PM	34964						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFMXN	9:30:00 AM	34965						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFMXN	11:30:00 AM	34966						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFMXN	1:30:00 PM	34967						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFMXN	3:30:00 PM	34968						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK	9:30:00 AM	34969						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK	11:30:00 AM	34970						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK	1:30:00 PM	34971						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK	3:30:00 PM	34972						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK.fx	9:30:00 AM	34973						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK.fx	11:30:00 AM	34974						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK.fx	1:30:00 PM	34975						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFNOK.fx	3:30:00 PM	34976						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN	9:30:00 AM	34977						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN	11:30:00 AM	34978						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN	1:30:00 PM	34979						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN	3:30:00 PM	34980						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN.fx	9:30:00 AM	34981						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN.fx	11:30:00 AM	34982						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN.fx	1:30:00 PM	34983						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFPLN.fx	3:30:00 PM	34984						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSEK	9:30:00 AM	34985						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSEK	11:30:00 AM	34986						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSEK	1:30:00 PM	34987						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSEK	3:30:00 PM	34988						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD	9:30:00 AM	34989						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD	11:30:00 AM	34990						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD	1:30:00 PM	34991						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD	3:30:00 PM	34992						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD.fx	9:30:00 AM	34993						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD.fx	11:30:00 AM	34994						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD.fx	1:30:00 PM	34995						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFSGD.fx	3:30:00 PM	34996						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFZAR	9:30:00 AM	34997						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	CHFZAR	11:30:00 AM	34998						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFZAR	1:30:00 PM	34999						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CHFZAR	3:30:00 PM	35000						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CZKJPY	9:30:00 AM	35001						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CZKJPY	11:30:00 AM	35002						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CZKJPY	1:30:00 PM	35003						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	CZKJPY	3:30:00 PM	35004						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DAX30.i	9:30:00 AM	35005						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DAX30.i	11:30:00 AM	35006						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DAX30.i	1:30:00 PM	35007						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DAX30.i	3:30:00 PM	35008						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DJ30.i	9:30:00 AM	35009						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DJ30.i	11:30:00 AM	35010						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DJ30.i	1:30:00 PM	35011						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DJ30.i	3:30:00 PM	35012						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DKKJPY	9:30:00 AM	35013						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DKKJPY	11:30:00 AM	35014						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DKKJPY	1:30:00 PM	35015						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	DKKJPY	3:30:00 PM	35016						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD	9:30:00 AM	35017						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD	11:30:00 AM	35018						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD	1:30:00 PM	35019						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD	3:30:00 PM	35020						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD.fx	9:30:00 AM	35021						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD.fx	11:30:00 AM	35022						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD.fx	1:30:00 PM	35023						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURAUD.fx	3:30:00 PM	35024						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD	9:30:00 AM	35025						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD	11:30:00 AM	35026						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD	1:30:00 PM	35027						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD	3:30:00 PM	35028						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD.fx	9:30:00 AM	35029						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD.fx	11:30:00 AM	35030						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCAD.fx	1:30:00 PM	35031						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	EURCAD.fx	3:30:00 PM	35032						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF	9:30:00 AM	35033						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF	11:30:00 AM	35034						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF	1:30:00 PM	35035						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF	3:30:00 PM	35036						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF.fx	9:30:00 AM	35037						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF.fx	11:30:00 AM	35038						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF.fx	1:30:00 PM	35039						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCHF.fx	3:30:00 PM	35040						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCZK	9:30:00 AM	35041						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCZK	11:30:00 AM	35042						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCZK	1:30:00 PM	35043						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURCZK	3:30:00 PM	35044						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURDKK	9:30:00 AM	35045						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURDKK	11:30:00 AM	35046						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURDKK	1:30:00 PM	35047						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURDKK	3:30:00 PM	35048						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP	9:30:00 AM	35049						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP	11:30:00 AM	35050						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP	1:30:00 PM	35051						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP	3:30:00 PM	35052						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP.fx	9:30:00 AM	35053						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP.fx	11:30:00 AM	35054						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP.fx	1:30:00 PM	35055						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURGBP.fx	3:30:00 PM	35056						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD	9:30:00 AM	35057						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD	11:30:00 AM	35058						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD	1:30:00 PM	35059						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD	3:30:00 PM	35060						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD.fx	9:30:00 AM	35061						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD.fx	11:30:00 AM	35062						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD.fx	1:30:00 PM	35063						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHKD.fx	3:30:00 PM	35064						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF	9:30:00 AM	35065						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	EURHUF	11:30:00 AM	35066						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF	1:30:00 PM	35067						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF	3:30:00 PM	35068						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF.fx	9:30:00 AM	35069						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF.fx	11:30:00 AM	35070						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF.fx	1:30:00 PM	35071						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURHUF.fx	3:30:00 PM	35072						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY	9:30:00 AM	35073						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY	11:30:00 AM	35074						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY	1:30:00 PM	35075						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY	3:30:00 PM	35076						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY.fx	9:30:00 AM	35077						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY.fx	11:30:00 AM	35078						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY.fx	1:30:00 PM	35079						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURJPY.fx	3:30:00 PM	35080						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN	9:30:00 AM	35081						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN	11:30:00 AM	35082						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN	1:30:00 PM	35083						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN	3:30:00 PM	35084						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN.fx	9:30:00 AM	35085						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN.fx	11:30:00 AM	35086						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN.fx	1:30:00 PM	35087						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURMXN.fx	3:30:00 PM	35088						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK	9:30:00 AM	35089						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK	11:30:00 AM	35090						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK	1:30:00 PM	35091						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK	3:30:00 PM	35092						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK.fx	9:30:00 AM	35093						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK.fx	11:30:00 AM	35094						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK.fx	1:30:00 PM	35095						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNOK.fx	3:30:00 PM	35096						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD	9:30:00 AM	35097						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD	11:30:00 AM	35098						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD	1:30:00 PM	35099						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	EURNZD	3:30:00 PM	35100						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD.fx	9:30:00 AM	35101						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD.fx	11:30:00 AM	35102						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD.fx	1:30:00 PM	35103						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURNZD.fx	3:30:00 PM	35104						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN	9:30:00 AM	35105						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN	11:30:00 AM	35106						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN	1:30:00 PM	35107						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN	3:30:00 PM	35108						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN.fx	9:30:00 AM	35109						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN.fx	11:30:00 AM	35110						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN.fx	1:30:00 PM	35111						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURPLN.fx	3:30:00 PM	35112						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURRUB	9:30:00 AM	35113						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURRUB	11:30:00 AM	35114						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURRUB	1:30:00 PM	35115						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURRUB	3:30:00 PM	35116						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK	9:30:00 AM	35117						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK	11:30:00 AM	35118						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK	1:30:00 PM	35119						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK	3:30:00 PM	35120						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK.fx	9:30:00 AM	35121						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK.fx	11:30:00 AM	35122						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK.fx	1:30:00 PM	35123						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSEK.fx	3:30:00 PM	35124						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD	9:30:00 AM	35125						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD	11:30:00 AM	35126						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD	1:30:00 PM	35127						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD	3:30:00 PM	35128						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD.fx	9:30:00 AM	35129						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD.fx	11:30:00 AM	35130						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD.fx	1:30:00 PM	35131						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURSGD.fx	3:30:00 PM	35132						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD	9:30:00 AM	35133						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	EURUSD	11:30:00 AM	35134						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD	1:30:00 PM	35135						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD	3:30:00 PM	35136						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD.fx	9:30:00 AM	35137						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD.fx	11:30:00 AM	35138						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD.fx	1:30:00 PM	35139						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURUSD.fx	3:30:00 PM	35140						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR	9:30:00 AM	35141						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR	11:30:00 AM	35142						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR	1:30:00 PM	35143						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR	3:30:00 PM	35144						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR.fx	9:30:00 AM	35145						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR.fx	11:30:00 AM	35146						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR.fx	1:30:00 PM	35147						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	EURZAR.fx	3:30:00 PM	35148						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD	9:30:00 AM	35149						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD	11:30:00 AM	35150						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD	1:30:00 PM	35151						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD	3:30:00 PM	35152						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD.fx	9:30:00 AM	35153						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD.fx	11:30:00 AM	35154						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD.fx	1:30:00 PM	35155						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPAUD.fx	3:30:00 PM	35156						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD	9:30:00 AM	35157						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD	11:30:00 AM	35158						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD	1:30:00 PM	35159						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD	3:30:00 PM	35160						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD.fx	9:30:00 AM	35161						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD.fx	11:30:00 AM	35162						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD.fx	1:30:00 PM	35163						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCAD.fx	3:30:00 PM	35164						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF	9:30:00 AM	35165						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF	11:30:00 AM	35166						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF	1:30:00 PM	35167						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	GBPCHF	3:30:00 PM	35168						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF.fx	9:30:00 AM	35169						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF.fx	11:30:00 AM	35170						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF.fx	1:30:00 PM	35171						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCHF.fx	3:30:00 PM	35172						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCZK	9:30:00 AM	35173						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCZK	11:30:00 AM	35174						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCZK	1:30:00 PM	35175						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPCZK	3:30:00 PM	35176						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK	9:30:00 AM	35177						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK	11:30:00 AM	35178						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK	1:30:00 PM	35179						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK	3:30:00 PM	35180						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK.fx	9:30:00 AM	35181						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK.fx	11:30:00 AM	35182						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK.fx	1:30:00 PM	35183						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPDKK.fx	3:30:00 PM	35184						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHKD	9:30:00 AM	35185						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHKD	11:30:00 AM	35186						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHKD	1:30:00 PM	35187						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHKD	3:30:00 PM	35188						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHUF	9:30:00 AM	35189						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHUF	11:30:00 AM	35190						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHUF	1:30:00 PM	35191						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPHUF	3:30:00 PM	35192						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY	9:30:00 AM	35193						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY	11:30:00 AM	35194						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY	1:30:00 PM	35195						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY	3:30:00 PM	35196						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY.fx	9:30:00 AM	35197						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY.fx	11:30:00 AM	35198						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY.fx	1:30:00 PM	35199						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPJPY.fx	3:30:00 PM	35200						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPMXN	9:30:00 AM	35201						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	GBPMXN	11:30:00 AM	35202						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPMXN	1:30:00 PM	35203						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPMXN	3:30:00 PM	35204						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK	9:30:00 AM	35205						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK	11:30:00 AM	35206						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK	1:30:00 PM	35207						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK	3:30:00 PM	35208						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK.fx	9:30:00 AM	35209						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK.fx	11:30:00 AM	35210						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK.fx	1:30:00 PM	35211						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNOK.fx	3:30:00 PM	35212						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD	9:30:00 AM	35213						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD	11:30:00 AM	35214						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD	1:30:00 PM	35215						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD	3:30:00 PM	35216						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD.fx	9:30:00 AM	35217						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD.fx	11:30:00 AM	35218						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD.fx	1:30:00 PM	35219						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPNZD.fx	3:30:00 PM	35220						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN	9:30:00 AM	35221						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN	11:30:00 AM	35222						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN	1:30:00 PM	35223						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN	3:30:00 PM	35224						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN.fx	9:30:00 AM	35225						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN.fx	11:30:00 AM	35226						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN.fx	1:30:00 PM	35227						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPPLN.fx	3:30:00 PM	35228						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK	9:30:00 AM	35229						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK	11:30:00 AM	35230						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK	1:30:00 PM	35231						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK	3:30:00 PM	35232						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK.fx	9:30:00 AM	35233						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK.fx	11:30:00 AM	35234						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSEK.fx	1:30:00 PM	35235						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	GBPSEK.fx	3:30:00 PM	35236						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD	9:30:00 AM	35237						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD	11:30:00 AM	35238						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD	1:30:00 PM	35239						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD	3:30:00 PM	35240						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD.fx	9:30:00 AM	35241						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD.fx	11:30:00 AM	35242						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD.fx	1:30:00 PM	35243						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPSGD.fx	3:30:00 PM	35244						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD	9:30:00 AM	35245						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD	11:30:00 AM	35246						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD	1:30:00 PM	35247						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD	3:30:00 PM	35248						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD.fx	9:30:00 AM	35249						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD.fx	11:30:00 AM	35250						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD.fx	1:30:00 PM	35251						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPUUSD.fx	3:30:00 PM	35252						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR	9:30:00 AM	35253						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR	11:30:00 AM	35254						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR	1:30:00 PM	35255						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR	3:30:00 PM	35256						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR.fx	9:30:00 AM	35257						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR.fx	11:30:00 AM	35258						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR.fx	1:30:00 PM	35259						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GBPZAR.fx	3:30:00 PM	35260						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GOLD	9:30:00 AM	35261						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GOLD	11:30:00 AM	35262						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GOLD	1:30:00 PM	35263						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	GOLD	3:30:00 PM	35264						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY	9:30:00 AM	35265						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY	11:30:00 AM	35266						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY	1:30:00 PM	35267						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY	3:30:00 PM	35268						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY.fx	9:30:00 AM	35269						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	HKDJPY.fx	11:30:00 AM	35270						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY.fx	1:30:00 PM	35271						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HKDJPY.fx	3:30:00 PM	35272						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HUFJPY	9:30:00 AM	35273						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HUFJPY	11:30:00 AM	35274						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HUFJPY	1:30:00 PM	35275						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	HUFJPY	3:30:00 PM	35276						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JP225.i	9:30:00 AM	35277						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JP225.i	11:30:00 AM	35278						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JP225.i	1:30:00 PM	35279						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JP225.i	3:30:00 PM	35280						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	MXNJPY	9:30:00 AM	35281						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	MXNJPY	11:30:00 AM	35282						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	MXNJPY	1:30:00 PM	35283						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	MXNJPY	3:30:00 PM	35284						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NASDAQ.i	9:30:00 AM	35285						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NASDAQ.i	11:30:00 AM	35286						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NASDAQ.i	1:30:00 PM	35287						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NASDAQ.i	3:30:00 PM	35288						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY	9:30:00 AM	35289						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY	11:30:00 AM	35290						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY	1:30:00 PM	35291						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY	3:30:00 PM	35292						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY.fx	9:30:00 AM	35293						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY.fx	11:30:00 AM	35294						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY.fx	1:30:00 PM	35295						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NOKJPY.fx	3:30:00 PM	35296						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD	9:30:00 AM	35297						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD	11:30:00 AM	35298						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD	1:30:00 PM	35299						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD	3:30:00 PM	35300						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD.fx	9:30:00 AM	35301						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD.fx	11:30:00 AM	35302						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCAD.fx	1:30:00 PM	35303						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	NZDCAD.fx	3:30:00 PM	35304						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF	9:30:00 AM	35305						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF	11:30:00 AM	35306						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF	1:30:00 PM	35307						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF	3:30:00 PM	35308						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF.fx	9:30:00 AM	35309						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF.fx	11:30:00 AM	35310						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF.fx	1:30:00 PM	35311						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCHF.fx	3:30:00 PM	35312						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCZK	9:30:00 AM	35313						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCZK	11:30:00 AM	35314						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCZK	1:30:00 PM	35315						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDCZK	3:30:00 PM	35316						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDDKK	9:30:00 AM	35317						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDDKK	11:30:00 AM	35318						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDDKK	1:30:00 PM	35319						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDDKK	3:30:00 PM	35320						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHKD	9:30:00 AM	35321						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHKD	11:30:00 AM	35322						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHKD	1:30:00 PM	35323						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHKD	3:30:00 PM	35324						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHUF	9:30:00 AM	35325						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHUF	11:30:00 AM	35326						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHUF	1:30:00 PM	35327						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDHUF	3:30:00 PM	35328						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY	9:30:00 AM	35329						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY	11:30:00 AM	35330						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY	1:30:00 PM	35331						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY	3:30:00 PM	35332						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY.fx	9:30:00 AM	35333						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY.fx	11:30:00 AM	35334						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY.fx	1:30:00 PM	35335						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDJPY.fx	3:30:00 PM	35336						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDMXN	9:30:00 AM	35337						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	NZDMXN	11:30:00 AM	35338						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDMXN	1:30:00 PM	35339						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDMXN	3:30:00 PM	35340						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDNOK	9:30:00 AM	35341						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDNOK	11:30:00 AM	35342						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDNOK	1:30:00 PM	35343						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDNOK	3:30:00 PM	35344						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDPLN	9:30:00 AM	35345						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDPLN	11:30:00 AM	35346						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDPLN	1:30:00 PM	35347						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDPLN	3:30:00 PM	35348						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSEK	9:30:00 AM	35349						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSEK	11:30:00 AM	35350						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSEK	1:30:00 PM	35351						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSEK	3:30:00 PM	35352						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD	9:30:00 AM	35353						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD	11:30:00 AM	35354						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD	1:30:00 PM	35355						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD	3:30:00 PM	35356						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD.fx	9:30:00 AM	35357						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD.fx	11:30:00 AM	35358						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD.fx	1:30:00 PM	35359						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDSGD.fx	3:30:00 PM	35360						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD	9:30:00 AM	35361						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD	11:30:00 AM	35362						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD	1:30:00 PM	35363						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD	3:30:00 PM	35364						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD.fx	9:30:00 AM	35365						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD.fx	11:30:00 AM	35366						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD.fx	1:30:00 PM	35367						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDUSD.fx	3:30:00 PM	35368						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDZAR	9:30:00 AM	35369						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDZAR	11:30:00 AM	35370						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	NZDZAR	1:30:00 PM	35371						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	NZDZAR	3:30:00 PM	35372						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY	9:30:00 AM	35373						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY	11:30:00 AM	35374						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY	1:30:00 PM	35375						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY	3:30:00 PM	35376						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY.fx	9:30:00 AM	35377						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY.fx	11:30:00 AM	35378						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY.fx	1:30:00 PM	35379						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SEKJPY.fx	3:30:00 PM	35380						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SGDJPY	9:30:00 AM	35381						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SGDJPY	11:30:00 AM	35382						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SGDJPY	1:30:00 PM	35383						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SGDJPY	3:30:00 PM	35384						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SILVER	9:30:00 AM	35385						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SILVER	11:30:00 AM	35386						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SILVER	1:30:00 PM	35387						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SILVER	3:30:00 PM	35388						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SPX500.i	9:30:00 AM	35389						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SPX500.i	11:30:00 AM	35390						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SPX500.i	1:30:00 PM	35391						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	SPX500.i	3:30:00 PM	35392						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	UK100.i	9:30:00 AM	35393						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	UK100.i	11:30:00 AM	35394						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	UK100.i	1:30:00 PM	35395						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	UK100.i	3:30:00 PM	35396						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD	9:30:00 AM	35397						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD	11:30:00 AM	35398						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD	1:30:00 PM	35399						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD	3:30:00 PM	35400						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD.fx	9:30:00 AM	35401						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD.fx	11:30:00 AM	35402						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD.fx	1:30:00 PM	35403						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCAD.fx	3:30:00 PM	35404						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF	9:30:00 AM	35405						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	USDCHF	11:30:00 AM	35406						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF	1:30:00 PM	35407						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF	3:30:00 PM	35408						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF.fx	9:30:00 AM	35409						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF.fx	11:30:00 AM	35410						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF.fx	1:30:00 PM	35411						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCHF.fx	3:30:00 PM	35412						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK	9:30:00 AM	35413						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK	11:30:00 AM	35414						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK	1:30:00 PM	35415						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK	3:30:00 PM	35416						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK.fx	9:30:00 AM	35417						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK.fx	11:30:00 AM	35418						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK.fx	1:30:00 PM	35419						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDCZK.fx	3:30:00 PM	35420						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK	9:30:00 AM	35421						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK	11:30:00 AM	35422						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK	1:30:00 PM	35423						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK	3:30:00 PM	35424						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK.fx	9:30:00 AM	35425						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK.fx	11:30:00 AM	35426						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK.fx	1:30:00 PM	35427						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDDKK.fx	3:30:00 PM	35428						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD	9:30:00 AM	35429						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD	11:30:00 AM	35430						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD	1:30:00 PM	35431						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD	3:30:00 PM	35432						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD.fx	9:30:00 AM	35433						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD.fx	11:30:00 AM	35434						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD.fx	1:30:00 PM	35435						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHKD.fx	3:30:00 PM	35436						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF	9:30:00 AM	35437						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF	11:30:00 AM	35438						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF	1:30:00 PM	35439						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	USDHUF	3:30:00 PM	35440						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF.fx	9:30:00 AM	35441						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF.fx	11:30:00 AM	35442						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF.fx	1:30:00 PM	35443						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDHUF.fx	3:30:00 PM	35444						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDINR	9:30:00 AM	35445						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDINR	11:30:00 AM	35446						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDINR	1:30:00 PM	35447						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDINR	3:30:00 PM	35448						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY	9:30:00 AM	35449						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY	11:30:00 AM	35450						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY	1:30:00 PM	35451						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY	3:30:00 PM	35452						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY.fx	9:30:00 AM	35453						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY.fx	11:30:00 AM	35454						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY.fx	1:30:00 PM	35455						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDJPY.fx	3:30:00 PM	35456						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDMXN	9:30:00 AM	35457						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDMXN	11:30:00 AM	35458						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDMXN	1:30:00 PM	35459						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDMXN	3:30:00 PM	35460						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JSDMXN.fx	9:30:00 AM	35461						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JSDMXN.fx	11:30:00 AM	35462						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JSDMXN.fx	1:30:00 PM	35463						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	JSDMXN.fx	3:30:00 PM	35464						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK	9:30:00 AM	35465						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK	11:30:00 AM	35466						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK	1:30:00 PM	35467						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK	3:30:00 PM	35468						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK.fx	9:30:00 AM	35469						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK.fx	11:30:00 AM	35470						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK.fx	1:30:00 PM	35471						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDNOK.fx	3:30:00 PM	35472						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN	9:30:00 AM	35473						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	USDPLN	11:30:00 AM	35474						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN	1:30:00 PM	35475						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN	3:30:00 PM	35476						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN.fx	9:30:00 AM	35477						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN.fx	11:30:00 AM	35478						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN.fx	1:30:00 PM	35479						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDPLN.fx	3:30:00 PM	35480						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDRUB	9:30:00 AM	35481						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDRUB	11:30:00 AM	35482						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDRUB	1:30:00 PM	35483						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDRUB	3:30:00 PM	35484						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK	9:30:00 AM	35485						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK	11:30:00 AM	35486						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK	1:30:00 PM	35487						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK	3:30:00 PM	35488						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK.fx	9:30:00 AM	35489						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK.fx	11:30:00 AM	35490						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK.fx	1:30:00 PM	35491						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSEK.fx	3:30:00 PM	35492						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD	9:30:00 AM	35493						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD	11:30:00 AM	35494						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD	1:30:00 PM	35495						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD	3:30:00 PM	35496						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD.fx	9:30:00 AM	35497						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD.fx	11:30:00 AM	35498						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD.fx	1:30:00 PM	35499						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDSGD.fx	3:30:00 PM	35500						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR	9:30:00 AM	35501						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR	11:30:00 AM	35502						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR	1:30:00 PM	35503						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR	3:30:00 PM	35504						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR.fx	9:30:00 AM	35505						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR.fx	11:30:00 AM	35506						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	USDZAR.fx	1:30:00 PM	35507						Continuous Quote	N/A	ELECTRONIC	N/A

10/30/2019	USDZAR.fx	3:30:00 PM	35508						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	XAUUSD	9:30:00 AM	35509						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	XAUUSD	11:30:00 AM	35510						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	XAUUSD	1:30:00 PM	35511						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	XAUUSD	3:30:00 PM	35512						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY	9:30:00 AM	35513						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY	11:30:00 AM	35514						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY	1:30:00 PM	35515						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY	3:30:00 PM	35516						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY.fx	9:30:00 AM	35517						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY.fx	11:30:00 AM	35518						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY.fx	1:30:00 PM	35519						Continuous Quote	N/A	ELECTRONIC	N/A
10/30/2019	ZARJPY.fx	3:30:00 PM	35520						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#AA	3:30:00 PM	35524						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#AABA	9:30:00 AM	35525						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#AABA	11:30:00 AM	35526						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#AABA	1:30:00 PM	35527						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#AABA	3:30:00 PM	35528						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#AAL	9:30:00 AM	35529						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#AAL	1:30:00 PM	35531						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#ADBE	11:30:00 AM	35538						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#ADBE	1:30:00 PM	35539						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#ADBE	3:30:00 PM	35540						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#AIG	3:30:00 PM	35544						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#BP	3:30:00 PM	35596						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#CL.f	3:30:00 PM	35616						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#HSBA	1:30:00 PM	35711						Continuous Quote	N/A	ELECTRONIC	N/A

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10/31/2019	#UBS	3:30:00 PM	35916						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UL	9:30:00 AM	35917						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UL	11:30:00 AM	35918						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UL	1:30:00 PM	35919						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UL	3:30:00 PM	35920						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#UPS	11:30:00 AM	35922						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UPS	1:30:00 PM	35923						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#UPS	3:30:00 PM	35924						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#UTX	3:30:00 PM	35928						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#V	9:30:00 AM	35929						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#V	3:30:00 PM	35932						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VOD	9:30:00 AM	35933						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#VOD	1:30:00 PM	35935						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VOD	3:30:00 PM	35936						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VZ	9:30:00 AM	35937						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VZ	11:30:00 AM	35938						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VZ	1:30:00 PM	35939						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#VZ	3:30:00 PM	35940						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WDC	9:30:00 AM	35941						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WDC	11:30:00 AM	35942						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WDC	1:30:00 PM	35943						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WDC	3:30:00 PM	35944						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WFC	9:30:00 AM	35945						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WFC	11:30:00 AM	35946						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WFC	1:30:00 PM	35947						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WFC	3:30:00 PM	35948						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#WMT	9:30:00 AM	35949						Continuous Quote	N/A	ELECTRONIC	N/A

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10/31/2019	#XOM	1:30:00 PM	35955						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#XOM	3:30:00 PM	35956						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#YHOO	9:30:00 AM	35957						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#YHOO	1:30:00 PM	35959						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#YHOO	3:30:00 PM	35960						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	#ZNGA	9:30:00 AM	35961						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	#ZNGA	3:30:00 PM	35964						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDCHF	3:30:00 PM	35976						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDCHF.fx	9:30:00 AM	35977						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDCZK	1:30:00 PM	35983						Continuous Quote	N/A	ELECTRONIC	N/A

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10/31/2019	AUDDKK	3:30:00 PM	35988						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDHKD	3:30:00 PM	35992						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDHUF	11:30:00 AM	35994						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDHUF	3:30:00 PM	35996						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDJPY	9:30:00 AM	35997						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDNZD.fx	11:30:00 AM	36022						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDPLN	9:30:00 AM	36025						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDPLN	11:30:00 AM	36026						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDPLN	3:30:00 PM	36028						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDSEK	3:30:00 PM	36032						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDSEK.fx	3:30:00 PM	36036						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDSGD	9:30:00 AM	36037						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDSGD	11:30:00 AM	36038						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	AUDSGD.fx	9:30:00 AM	36041						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	AUDSGD.fx	11:30:00 AM	36042						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	CADCHF.fx	9:30:00 AM	36069						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	CADCZK	9:30:00 AM	36073						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADCZK	11:30:00 AM	36074						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	CADDDKK	9:30:00 AM	36077						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADDDKK	11:30:00 AM	36078						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADDDKK	1:30:00 PM	36079						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADDDKK	3:30:00 PM	36080						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHKD	9:30:00 AM	36081						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHKD	11:30:00 AM	36082						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHKD	1:30:00 PM	36083						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHKD	3:30:00 PM	36084						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHUF	9:30:00 AM	36085						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	CADHUF	11:30:00 AM	36086						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHUF	1:30:00 PM	36087						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADHUF	3:30:00 PM	36088						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY	9:30:00 AM	36089						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY	11:30:00 AM	36090						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY	1:30:00 PM	36091						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY	3:30:00 PM	36092						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	CADJPY.fx	11:30:00 AM	36094						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY.fx	1:30:00 PM	36095						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADJPY.fx	3:30:00 PM	36096						Continuous Quote	N/A	ELECTRONIC	N/A
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10/31/2019	CADNOK	11:30:00 AM	36102						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADNOK	1:30:00 PM	36103						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADNOK	3:30:00 PM	36104						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADPLN	9:30:00 AM	36105						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADPLN	11:30:00 AM	36106						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADPLN	1:30:00 PM	36107						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADPLN	3:30:00 PM	36108						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSEK	9:30:00 AM	36109						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSEK	11:30:00 AM	36110						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSEK	1:30:00 PM	36111						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSEK	3:30:00 PM	36112						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSGD	9:30:00 AM	36113						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSGD	11:30:00 AM	36114						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSGD	1:30:00 PM	36115						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADSGD	3:30:00 PM	36116						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADZAR	9:30:00 AM	36117						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADZAR	11:30:00 AM	36118						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CADZAR	1:30:00 PM	36119						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	CADZAR	3:30:00 PM	36120						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFCZK	9:30:00 AM	36121						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFCZK	11:30:00 AM	36122						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFCZK	1:30:00 PM	36123						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFCZK	3:30:00 PM	36124						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK	9:30:00 AM	36125						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK	11:30:00 AM	36126						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK	1:30:00 PM	36127						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK	3:30:00 PM	36128						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK.fx	9:30:00 AM	36129						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK.fx	11:30:00 AM	36130						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK.fx	1:30:00 PM	36131						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFDKK.fx	3:30:00 PM	36132						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHKD	9:30:00 AM	36133						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHKD	11:30:00 AM	36134						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHKD	1:30:00 PM	36135						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHKD	3:30:00 PM	36136						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHUF	9:30:00 AM	36137						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHUF	11:30:00 AM	36138						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHUF	1:30:00 PM	36139						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFHUF	3:30:00 PM	36140						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY	9:30:00 AM	36141						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY	11:30:00 AM	36142						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY	1:30:00 PM	36143						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY	3:30:00 PM	36144						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY.fx	9:30:00 AM	36145						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY.fx	11:30:00 AM	36146						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY.fx	1:30:00 PM	36147						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFJPY.fx	3:30:00 PM	36148						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFMXN	9:30:00 AM	36149						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFMXN	11:30:00 AM	36150						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFMXN	1:30:00 PM	36151						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFMXN	3:30:00 PM	36152						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK	9:30:00 AM	36153						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	CHFNOK	11:30:00 AM	36154						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK	1:30:00 PM	36155						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK	3:30:00 PM	36156						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK.fx	9:30:00 AM	36157						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK.fx	11:30:00 AM	36158						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK.fx	1:30:00 PM	36159						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFNOK.fx	3:30:00 PM	36160						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN	9:30:00 AM	36161						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN	11:30:00 AM	36162						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN	1:30:00 PM	36163						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN	3:30:00 PM	36164						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN.fx	9:30:00 AM	36165						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN.fx	11:30:00 AM	36166						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN.fx	1:30:00 PM	36167						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFPLN.fx	3:30:00 PM	36168						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSEK	9:30:00 AM	36169						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSEK	11:30:00 AM	36170						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSEK	1:30:00 PM	36171						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSEK	3:30:00 PM	36172						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD	9:30:00 AM	36173						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD	11:30:00 AM	36174						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD	1:30:00 PM	36175						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD	3:30:00 PM	36176						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD.fx	9:30:00 AM	36177						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD.fx	11:30:00 AM	36178						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD.fx	1:30:00 PM	36179						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFSGD.fx	3:30:00 PM	36180						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFZAR	9:30:00 AM	36181						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFZAR	11:30:00 AM	36182						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFZAR	1:30:00 PM	36183						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CHFZAR	3:30:00 PM	36184						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CZKJPY	9:30:00 AM	36185						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CZKJPY	11:30:00 AM	36186						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	CZKJPY	1:30:00 PM	36187						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	CZKJPY	3:30:00 PM	36188						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DAX30.i	9:30:00 AM	36189						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DAX30.i	11:30:00 AM	36190						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DAX30.i	1:30:00 PM	36191						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DAX30.i	3:30:00 PM	36192						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DJ30.i	9:30:00 AM	36193						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DJ30.i	11:30:00 AM	36194						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DJ30.i	1:30:00 PM	36195						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DJ30.i	3:30:00 PM	36196						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DKKJPY	9:30:00 AM	36197						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DKKJPY	11:30:00 AM	36198						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DKKJPY	1:30:00 PM	36199						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	DKKJPY	3:30:00 PM	36200						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD	9:30:00 AM	36201						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD	11:30:00 AM	36202						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD	1:30:00 PM	36203						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD	3:30:00 PM	36204						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD.fx	9:30:00 AM	36205						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD.fx	11:30:00 AM	36206						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD.fx	1:30:00 PM	36207						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURAUD.fx	3:30:00 PM	36208						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD	9:30:00 AM	36209						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD	11:30:00 AM	36210						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD	1:30:00 PM	36211						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD	3:30:00 PM	36212						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD.fx	9:30:00 AM	36213						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD.fx	11:30:00 AM	36214						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD.fx	1:30:00 PM	36215						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCAD.fx	3:30:00 PM	36216						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF	9:30:00 AM	36217						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF	11:30:00 AM	36218						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF	1:30:00 PM	36219						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF	3:30:00 PM	36220						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF.fx	9:30:00 AM	36221						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	EURCHF.fx	11:30:00 AM	36222						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF.fx	1:30:00 PM	36223						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCHF.fx	3:30:00 PM	36224						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCZK	9:30:00 AM	36225						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCZK	11:30:00 AM	36226						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCZK	1:30:00 PM	36227						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURCZK	3:30:00 PM	36228						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURDKK	9:30:00 AM	36229						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURDKK	11:30:00 AM	36230						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURDKK	1:30:00 PM	36231						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURDKK	3:30:00 PM	36232						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP	9:30:00 AM	36233						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP	11:30:00 AM	36234						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP	1:30:00 PM	36235						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP	3:30:00 PM	36236						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP.fx	9:30:00 AM	36237						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP.fx	11:30:00 AM	36238						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP.fx	1:30:00 PM	36239						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURGBP.fx	3:30:00 PM	36240						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD	9:30:00 AM	36241						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD	11:30:00 AM	36242						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD	1:30:00 PM	36243						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD	3:30:00 PM	36244						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD.fx	9:30:00 AM	36245						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD.fx	11:30:00 AM	36246						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD.fx	1:30:00 PM	36247						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHKD.fx	3:30:00 PM	36248						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF	9:30:00 AM	36249						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF	11:30:00 AM	36250						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF	1:30:00 PM	36251						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF	3:30:00 PM	36252						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF.fx	9:30:00 AM	36253						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF.fx	11:30:00 AM	36254						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURHUF.fx	1:30:00 PM	36255						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	EURHUF.fx	3:30:00 PM	36256						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY	9:30:00 AM	36257						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY	11:30:00 AM	36258						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY	1:30:00 PM	36259						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY	3:30:00 PM	36260						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY.fx	9:30:00 AM	36261						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY.fx	11:30:00 AM	36262						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY.fx	1:30:00 PM	36263						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURJPY.fx	3:30:00 PM	36264						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN	9:30:00 AM	36265						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN	11:30:00 AM	36266						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN	1:30:00 PM	36267						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN	3:30:00 PM	36268						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN.fx	9:30:00 AM	36269						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN.fx	11:30:00 AM	36270						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN.fx	1:30:00 PM	36271						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURMXN.fx	3:30:00 PM	36272						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK	9:30:00 AM	36273						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK	11:30:00 AM	36274						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK	1:30:00 PM	36275						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK	3:30:00 PM	36276						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK.fx	9:30:00 AM	36277						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK.fx	11:30:00 AM	36278						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK.fx	1:30:00 PM	36279						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNOK.fx	3:30:00 PM	36280						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD	9:30:00 AM	36281						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD	11:30:00 AM	36282						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD	1:30:00 PM	36283						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD	3:30:00 PM	36284						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD.fx	9:30:00 AM	36285						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD.fx	11:30:00 AM	36286						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD.fx	1:30:00 PM	36287						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURNZD.fx	3:30:00 PM	36288						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN	9:30:00 AM	36289						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	EURPLN	11:30:00 AM	36290						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN	1:30:00 PM	36291						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN	3:30:00 PM	36292						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN.fx	9:30:00 AM	36293						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN.fx	11:30:00 AM	36294						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN.fx	1:30:00 PM	36295						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURPLN.fx	3:30:00 PM	36296						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURRUB	9:30:00 AM	36297						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURRUB	11:30:00 AM	36298						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURRUB	1:30:00 PM	36299						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURRUB	3:30:00 PM	36300						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK	9:30:00 AM	36301						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK	11:30:00 AM	36302						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK	1:30:00 PM	36303						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK	3:30:00 PM	36304						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK.fx	9:30:00 AM	36305						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK.fx	11:30:00 AM	36306						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK.fx	1:30:00 PM	36307						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSEK.fx	3:30:00 PM	36308						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD	9:30:00 AM	36309						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD	11:30:00 AM	36310						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD	1:30:00 PM	36311						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD	3:30:00 PM	36312						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD.fx	9:30:00 AM	36313						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD.fx	11:30:00 AM	36314						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD.fx	1:30:00 PM	36315						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURSGD.fx	3:30:00 PM	36316						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD	9:30:00 AM	36317						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD	11:30:00 AM	36318						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD	1:30:00 PM	36319						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD	3:30:00 PM	36320						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD.fx	9:30:00 AM	36321						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD.fx	11:30:00 AM	36322						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURUSD.fx	1:30:00 PM	36323						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	EURUSD.fx	3:30:00 PM	36324						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR	9:30:00 AM	36325						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR	11:30:00 AM	36326						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR	1:30:00 PM	36327						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR	3:30:00 PM	36328						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR.fx	9:30:00 AM	36329						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR.fx	11:30:00 AM	36330						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR.fx	1:30:00 PM	36331						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	EURZAR.fx	3:30:00 PM	36332						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD	9:30:00 AM	36333						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD	11:30:00 AM	36334						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD	1:30:00 PM	36335						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD	3:30:00 PM	36336						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD.fx	9:30:00 AM	36337						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD.fx	11:30:00 AM	36338						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD.fx	1:30:00 PM	36339						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPAUD.fx	3:30:00 PM	36340						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD	9:30:00 AM	36341						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD	11:30:00 AM	36342						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD	1:30:00 PM	36343						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD	3:30:00 PM	36344						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD.fx	9:30:00 AM	36345						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD.fx	11:30:00 AM	36346						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD.fx	1:30:00 PM	36347						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCAD.fx	3:30:00 PM	36348						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF	9:30:00 AM	36349						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF	11:30:00 AM	36350						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF	1:30:00 PM	36351						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF	3:30:00 PM	36352						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF.fx	9:30:00 AM	36353						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF.fx	11:30:00 AM	36354						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF.fx	1:30:00 PM	36355						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCHF.fx	3:30:00 PM	36356						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCZK	9:30:00 AM	36357						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	GBPCZK	11:30:00 AM	36358						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCZK	1:30:00 PM	36359						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPCZK	3:30:00 PM	36360						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK	9:30:00 AM	36361						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK	11:30:00 AM	36362						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK	1:30:00 PM	36363						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK	3:30:00 PM	36364						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK.fx	9:30:00 AM	36365						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK.fx	11:30:00 AM	36366						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK.fx	1:30:00 PM	36367						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPDKK.fx	3:30:00 PM	36368						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHKD	9:30:00 AM	36369						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHKD	11:30:00 AM	36370						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHKD	1:30:00 PM	36371						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHKD	3:30:00 PM	36372						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHUF	9:30:00 AM	36373						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHUF	11:30:00 AM	36374						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHUF	1:30:00 PM	36375						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPHUF	3:30:00 PM	36376						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY	9:30:00 AM	36377						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY	11:30:00 AM	36378						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY	1:30:00 PM	36379						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY	3:30:00 PM	36380						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY.fx	9:30:00 AM	36381						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY.fx	11:30:00 AM	36382						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY.fx	1:30:00 PM	36383						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPJPY.fx	3:30:00 PM	36384						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPMXN	9:30:00 AM	36385						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPMXN	11:30:00 AM	36386						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPMXN	1:30:00 PM	36387						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPMXN	3:30:00 PM	36388						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK	9:30:00 AM	36389						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK	11:30:00 AM	36390						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK	1:30:00 PM	36391						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	GBPNOK	3:30:00 PM	36392						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK.fx	9:30:00 AM	36393						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK.fx	11:30:00 AM	36394						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK.fx	1:30:00 PM	36395						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNOK.fx	3:30:00 PM	36396						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD	9:30:00 AM	36397						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD	11:30:00 AM	36398						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD	1:30:00 PM	36399						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD	3:30:00 PM	36400						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD.fx	9:30:00 AM	36401						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD.fx	11:30:00 AM	36402						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD.fx	1:30:00 PM	36403						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPNZD.fx	3:30:00 PM	36404						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN	9:30:00 AM	36405						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN	11:30:00 AM	36406						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN	1:30:00 PM	36407						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN	3:30:00 PM	36408						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN.fx	9:30:00 AM	36409						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN.fx	11:30:00 AM	36410						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN.fx	1:30:00 PM	36411						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPPLN.fx	3:30:00 PM	36412						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK	9:30:00 AM	36413						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK	11:30:00 AM	36414						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK	1:30:00 PM	36415						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK	3:30:00 PM	36416						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK.fx	9:30:00 AM	36417						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK.fx	11:30:00 AM	36418						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK.fx	1:30:00 PM	36419						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSEK.fx	3:30:00 PM	36420						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD	9:30:00 AM	36421						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD	11:30:00 AM	36422						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD	1:30:00 PM	36423						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD	3:30:00 PM	36424						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD.fx	9:30:00 AM	36425						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	GBPSGD.fx	11:30:00 AM	36426						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD.fx	1:30:00 PM	36427						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPSGD.fx	3:30:00 PM	36428						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD	9:30:00 AM	36429						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD	11:30:00 AM	36430						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD	1:30:00 PM	36431						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD	3:30:00 PM	36432						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD.fx	9:30:00 AM	36433						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD.fx	11:30:00 AM	36434						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD.fx	1:30:00 PM	36435						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPUSD.fx	3:30:00 PM	36436						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR	9:30:00 AM	36437						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR	11:30:00 AM	36438						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR	1:30:00 PM	36439						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR	3:30:00 PM	36440						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR.fx	9:30:00 AM	36441						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR.fx	11:30:00 AM	36442						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR.fx	1:30:00 PM	36443						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GBPZAR.fx	3:30:00 PM	36444						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GOLD	9:30:00 AM	36445						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GOLD	11:30:00 AM	36446						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GOLD	1:30:00 PM	36447						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	GOLD	3:30:00 PM	36448						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY	9:30:00 AM	36449						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY	11:30:00 AM	36450						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY	1:30:00 PM	36451						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY	3:30:00 PM	36452						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY.fx	9:30:00 AM	36453						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY.fx	11:30:00 AM	36454						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY.fx	1:30:00 PM	36455						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HKDJPY.fx	3:30:00 PM	36456						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HUFJPY	9:30:00 AM	36457						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HUFJPY	11:30:00 AM	36458						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	HUFJPY	1:30:00 PM	36459						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	HUFJPY	3:30:00 PM	36460						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	JP225.i	9:30:00 AM	36461						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	JP225.i	11:30:00 AM	36462						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	JP225.i	1:30:00 PM	36463						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	JP225.i	3:30:00 PM	36464						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	MXNJPY	9:30:00 AM	36465						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	MXNJPY	11:30:00 AM	36466						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	MXNJPY	1:30:00 PM	36467						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	MXNJPY	3:30:00 PM	36468						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NASDAQ.i	9:30:00 AM	36469						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NASDAQ.i	11:30:00 AM	36470						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NASDAQ.i	1:30:00 PM	36471						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NASDAQ.i	3:30:00 PM	36472						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY	9:30:00 AM	36473						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY	11:30:00 AM	36474						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY	1:30:00 PM	36475						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY	3:30:00 PM	36476						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY.fx	9:30:00 AM	36477						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY.fx	11:30:00 AM	36478						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY.fx	1:30:00 PM	36479						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NOKJPY.fx	3:30:00 PM	36480						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD	9:30:00 AM	36481						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD	11:30:00 AM	36482						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD	1:30:00 PM	36483						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD	3:30:00 PM	36484						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD.fx	9:30:00 AM	36485						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD.fx	11:30:00 AM	36486						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD.fx	1:30:00 PM	36487						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCAD.fx	3:30:00 PM	36488						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF	9:30:00 AM	36489						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF	11:30:00 AM	36490						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF	1:30:00 PM	36491						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF	3:30:00 PM	36492						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF.fx	9:30:00 AM	36493						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	NZDCHF.fx	11:30:00 AM	36494						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF.fx	1:30:00 PM	36495						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCHF.fx	3:30:00 PM	36496						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCZK	9:30:00 AM	36497						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCZK	11:30:00 AM	36498						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCZK	1:30:00 PM	36499						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDCZK	3:30:00 PM	36500						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDDKK	9:30:00 AM	36501						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDDKK	11:30:00 AM	36502						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDDKK	1:30:00 PM	36503						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDDKK	3:30:00 PM	36504						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHKD	9:30:00 AM	36505						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHKD	11:30:00 AM	36506						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHKD	1:30:00 PM	36507						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHKD	3:30:00 PM	36508						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHUF	9:30:00 AM	36509						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHUF	11:30:00 AM	36510						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHUF	1:30:00 PM	36511						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDHUF	3:30:00 PM	36512						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY	9:30:00 AM	36513						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY	11:30:00 AM	36514						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY	1:30:00 PM	36515						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY	3:30:00 PM	36516						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY.fx	9:30:00 AM	36517						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY.fx	11:30:00 AM	36518						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY.fx	1:30:00 PM	36519						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDJPY.fx	3:30:00 PM	36520						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDMXN	9:30:00 AM	36521						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDMXN	11:30:00 AM	36522						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDMXN	1:30:00 PM	36523						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDMXN	3:30:00 PM	36524						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDNOK	9:30:00 AM	36525						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDNOK	11:30:00 AM	36526						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDNOK	1:30:00 PM	36527						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	NZDNOK	3:30:00 PM	36528						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDPLN	9:30:00 AM	36529						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDPLN	11:30:00 AM	36530						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDPLN	1:30:00 PM	36531						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDPLN	3:30:00 PM	36532						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSEK	9:30:00 AM	36533						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSEK	11:30:00 AM	36534						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSEK	1:30:00 PM	36535						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSEK	3:30:00 PM	36536						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD	9:30:00 AM	36537						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD	11:30:00 AM	36538						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD	1:30:00 PM	36539						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD	3:30:00 PM	36540						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD.fx	9:30:00 AM	36541						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD.fx	11:30:00 AM	36542						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD.fx	1:30:00 PM	36543						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDSGD.fx	3:30:00 PM	36544						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD	9:30:00 AM	36545						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD	11:30:00 AM	36546						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD	1:30:00 PM	36547						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD	3:30:00 PM	36548						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD.fx	9:30:00 AM	36549						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD.fx	11:30:00 AM	36550						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD.fx	1:30:00 PM	36551						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDUSD.fx	3:30:00 PM	36552						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDZAR	9:30:00 AM	36553						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDZAR	11:30:00 AM	36554						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDZAR	1:30:00 PM	36555						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	NZDZAR	3:30:00 PM	36556						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY	9:30:00 AM	36557						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY	11:30:00 AM	36558						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY	1:30:00 PM	36559						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY	3:30:00 PM	36560						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY.fx	9:30:00 AM	36561						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	SEKJPY.fx	11:30:00 AM	36562						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY.fx	1:30:00 PM	36563						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SEKJPY.fx	3:30:00 PM	36564						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SGDJPY	9:30:00 AM	36565						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SGDJPY	11:30:00 AM	36566						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SGDJPY	1:30:00 PM	36567						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SGDJPY	3:30:00 PM	36568						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SILVER	9:30:00 AM	36569						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SILVER	11:30:00 AM	36570						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SILVER	1:30:00 PM	36571						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SILVER	3:30:00 PM	36572						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SPX500.i	9:30:00 AM	36573						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SPX500.i	11:30:00 AM	36574						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SPX500.i	1:30:00 PM	36575						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	SPX500.i	3:30:00 PM	36576						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	UK100.i	9:30:00 AM	36577						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	UK100.i	11:30:00 AM	36578						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	UK100.i	1:30:00 PM	36579						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	UK100.i	3:30:00 PM	36580						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD	9:30:00 AM	36581						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD	11:30:00 AM	36582						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD	1:30:00 PM	36583						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD	3:30:00 PM	36584						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD.fx	9:30:00 AM	36585						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD.fx	11:30:00 AM	36586						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD.fx	1:30:00 PM	36587						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCAD.fx	3:30:00 PM	36588						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF	9:30:00 AM	36589						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF	11:30:00 AM	36590						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF	1:30:00 PM	36591						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF	3:30:00 PM	36592						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF.fx	9:30:00 AM	36593						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF.fx	11:30:00 AM	36594						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCHF.fx	1:30:00 PM	36595						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	USDCHF.fx	3:30:00 PM	36596						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK	9:30:00 AM	36597						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK	11:30:00 AM	36598						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK	1:30:00 PM	36599						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK	3:30:00 PM	36600						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK.fx	9:30:00 AM	36601						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK.fx	11:30:00 AM	36602						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK.fx	1:30:00 PM	36603						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDCZK.fx	3:30:00 PM	36604						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK	9:30:00 AM	36605						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK	11:30:00 AM	36606						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK	1:30:00 PM	36607						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK	3:30:00 PM	36608						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK.fx	9:30:00 AM	36609						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK.fx	11:30:00 AM	36610						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK.fx	1:30:00 PM	36611						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDDKK.fx	3:30:00 PM	36612						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD	9:30:00 AM	36613						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD	11:30:00 AM	36614						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD	1:30:00 PM	36615						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD	3:30:00 PM	36616						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD.fx	9:30:00 AM	36617						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD.fx	11:30:00 AM	36618						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD.fx	1:30:00 PM	36619						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHKD.fx	3:30:00 PM	36620						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF	9:30:00 AM	36621						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF	11:30:00 AM	36622						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF	1:30:00 PM	36623						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF	3:30:00 PM	36624						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF.fx	9:30:00 AM	36625						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF.fx	11:30:00 AM	36626						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF.fx	1:30:00 PM	36627						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDHUF.fx	3:30:00 PM	36628						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDINR	9:30:00 AM	36629						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	USDINR	11:30:00 AM	36630						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDINR	1:30:00 PM	36631						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDINR	3:30:00 PM	36632						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY	9:30:00 AM	36633						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY	11:30:00 AM	36634						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY	1:30:00 PM	36635						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY	3:30:00 PM	36636						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY.fx	9:30:00 AM	36637						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY.fx	11:30:00 AM	36638						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY.fx	1:30:00 PM	36639						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDJPY.fx	3:30:00 PM	36640						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN	9:30:00 AM	36641						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN	11:30:00 AM	36642						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN	1:30:00 PM	36643						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN	3:30:00 PM	36644						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN.fx	9:30:00 AM	36645						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN.fx	11:30:00 AM	36646						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN.fx	1:30:00 PM	36647						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDMXN.fx	3:30:00 PM	36648						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK	9:30:00 AM	36649						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK	11:30:00 AM	36650						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK	1:30:00 PM	36651						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK	3:30:00 PM	36652						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK.fx	9:30:00 AM	36653						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK.fx	11:30:00 AM	36654						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK.fx	1:30:00 PM	36655						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDNOK.fx	3:30:00 PM	36656						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN	9:30:00 AM	36657						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN	11:30:00 AM	36658						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN	1:30:00 PM	36659						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN	3:30:00 PM	36660						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN.fx	9:30:00 AM	36661						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN.fx	11:30:00 AM	36662						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDPLN.fx	1:30:00 PM	36663						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	USDPLN.fx	3:30:00 PM	36664						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDRUB	9:30:00 AM	36665						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDRUB	11:30:00 AM	36666						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDRUB	1:30:00 PM	36667						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDRUB	3:30:00 PM	36668						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK	9:30:00 AM	36669						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK	11:30:00 AM	36670						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK	1:30:00 PM	36671						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK	3:30:00 PM	36672						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK.fx	9:30:00 AM	36673						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK.fx	11:30:00 AM	36674						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK.fx	1:30:00 PM	36675						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSEK.fx	3:30:00 PM	36676						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD	9:30:00 AM	36677						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD	11:30:00 AM	36678						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD	1:30:00 PM	36679						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD	3:30:00 PM	36680						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD.fx	9:30:00 AM	36681						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD.fx	11:30:00 AM	36682						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD.fx	1:30:00 PM	36683						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDSGD.fx	3:30:00 PM	36684						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR	9:30:00 AM	36685						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR	11:30:00 AM	36686						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR	1:30:00 PM	36687						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR	3:30:00 PM	36688						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR.fx	9:30:00 AM	36689						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR.fx	11:30:00 AM	36690						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR.fx	1:30:00 PM	36691						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	USDZAR.fx	3:30:00 PM	36692						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	XAUUSD	9:30:00 AM	36693						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	XAUUSD	11:30:00 AM	36694						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	XAUUSD	1:30:00 PM	36695						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	XAUUSD	3:30:00 PM	36696						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	ZARJPY	9:30:00 AM	36697						Continuous Quote	N/A	ELECTRONIC	N/A

10/31/2019	ZARJPY	11:30:00 AM	36698						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	ZARJPY	1:30:00 PM	36699						Continuous Quote	N/A	ELECTRONIC	N/A
10/31/2019	ZARJPY	3:30:00 PM	36700						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#AAL	11:30:00 AM	36714						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#ADBE	3:30:00 PM	36724						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#AIG	11:30:00 AM	36726						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#AMZN	3:30:00 PM	36736						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#BTA	11:30:00 AM	36782						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#BTA	1:30:00 PM	36783						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#UTX	3:30:00 PM	37112						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#V	9:30:00 AM	37113						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#V	11:30:00 AM	37114						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#V	1:30:00 PM	37115						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#V	3:30:00 PM	37116						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#VOD	9:30:00 AM	37117						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#VOD	11:30:00 AM	37118						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#VOD	1:30:00 PM	37119						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#VOD	3:30:00 PM	37120						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#VZ	9:30:00 AM	37121						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	#YHOO	1:30:00 PM	37143						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	#YHOO	3:30:00 PM	37144						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDCHF.fx	3:30:00 PM	37164						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	AUDCZK	9:30:00 AM	37165						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	AUDCZK	11:30:00 AM	37166						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	AUDCZK	1:30:00 PM	37167						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDMXN	1:30:00 PM	37191						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDNOK.fx	11:30:00 AM	37198						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	AUDNOK.fx	1:30:00 PM	37199						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	AUDNOK.fx	3:30:00 PM	37200						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDNZD	11:30:00 AM	37202						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDNZD.fx	11:30:00 AM	37206						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUDSEK	3:30:00 PM	37216						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUS200.i	11:30:00 AM	37242						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	AUS200.i	3:30:00 PM	37244						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	BCHUSD	9:30:00 AM	37245						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	BCHUSD	11:30:00 AM	37246						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	BCHUSD	1:30:00 PM	37247						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	BCHUSD	3:30:00 PM	37248						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADCHF	9:30:00 AM	37249						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADCHF	11:30:00 AM	37250						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADCHF	1:30:00 PM	37251						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADDKK	3:30:00 PM	37264						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHKD	9:30:00 AM	37265						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHKD	11:30:00 AM	37266						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHKD	1:30:00 PM	37267						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHKD	3:30:00 PM	37268						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHUF	9:30:00 AM	37269						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADHUF	1:30:00 PM	37271						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADHUF	3:30:00 PM	37272						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY	9:30:00 AM	37273						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY	11:30:00 AM	37274						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY	1:30:00 PM	37275						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	CADJPY	3:30:00 PM	37276						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY.fx	9:30:00 AM	37277						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY.fx	11:30:00 AM	37278						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY.fx	1:30:00 PM	37279						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADJPY.fx	3:30:00 PM	37280						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADMXN	9:30:00 AM	37281						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADMXN	11:30:00 AM	37282						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADMXN	1:30:00 PM	37283						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADNOK	11:30:00 AM	37286						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADNOK	1:30:00 PM	37287						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADPLN	3:30:00 PM	37292						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADSEK	11:30:00 AM	37294						Continuous Quote	N/A	ELECTRONIC	N/A
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11/1/2019	CADSGD	11:30:00 AM	37298						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADSGD	1:30:00 PM	37299						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADSGD	3:30:00 PM	37300						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADZAR	9:30:00 AM	37301						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADZAR	11:30:00 AM	37302						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADZAR	1:30:00 PM	37303						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CADZAR	3:30:00 PM	37304						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFCZK	9:30:00 AM	37305						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFCZK	11:30:00 AM	37306						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFCZK	1:30:00 PM	37307						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFCZK	3:30:00 PM	37308						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK	9:30:00 AM	37309						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	CHFDKK	11:30:00 AM	37310						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK	1:30:00 PM	37311						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK	3:30:00 PM	37312						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK.fx	9:30:00 AM	37313						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK.fx	11:30:00 AM	37314						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK.fx	1:30:00 PM	37315						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFDKK.fx	3:30:00 PM	37316						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHKD	9:30:00 AM	37317						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHKD	11:30:00 AM	37318						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHKD	1:30:00 PM	37319						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHKD	3:30:00 PM	37320						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHUF	9:30:00 AM	37321						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHUF	11:30:00 AM	37322						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHUF	1:30:00 PM	37323						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFHUF	3:30:00 PM	37324						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY	9:30:00 AM	37325						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY	11:30:00 AM	37326						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY	1:30:00 PM	37327						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY	3:30:00 PM	37328						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY.fx	9:30:00 AM	37329						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY.fx	11:30:00 AM	37330						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY.fx	1:30:00 PM	37331						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFJPY.fx	3:30:00 PM	37332						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFMXN	9:30:00 AM	37333						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFMXN	11:30:00 AM	37334						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFMXN	1:30:00 PM	37335						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFMXN	3:30:00 PM	37336						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK	9:30:00 AM	37337						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK	11:30:00 AM	37338						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK	1:30:00 PM	37339						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK	3:30:00 PM	37340						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK.fx	9:30:00 AM	37341						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK.fx	11:30:00 AM	37342						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFNOK.fx	1:30:00 PM	37343						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	CHFNOK.fx	3:30:00 PM	37344						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN	9:30:00 AM	37345						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN	11:30:00 AM	37346						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN	1:30:00 PM	37347						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN	3:30:00 PM	37348						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN.fx	9:30:00 AM	37349						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN.fx	11:30:00 AM	37350						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN.fx	1:30:00 PM	37351						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFPLN.fx	3:30:00 PM	37352						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSEK	9:30:00 AM	37353						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSEK	11:30:00 AM	37354						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSEK	1:30:00 PM	37355						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSEK	3:30:00 PM	37356						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD	9:30:00 AM	37357						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD	11:30:00 AM	37358						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD	1:30:00 PM	37359						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD	3:30:00 PM	37360						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD.fx	9:30:00 AM	37361						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD.fx	11:30:00 AM	37362						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD.fx	1:30:00 PM	37363						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFSGD.fx	3:30:00 PM	37364						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFZAR	9:30:00 AM	37365						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFZAR	11:30:00 AM	37366						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFZAR	1:30:00 PM	37367						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CHFZAR	3:30:00 PM	37368						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CZKJPY	9:30:00 AM	37369						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CZKJPY	11:30:00 AM	37370						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CZKJPY	1:30:00 PM	37371						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	CZKJPY	3:30:00 PM	37372						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DAX30.i	9:30:00 AM	37373						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DAX30.i	11:30:00 AM	37374						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DAX30.i	1:30:00 PM	37375						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DAX30.i	3:30:00 PM	37376						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DJ30.i	9:30:00 AM	37377						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	DJ30.i	11:30:00 AM	37378						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DJ30.i	1:30:00 PM	37379						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DJ30.i	3:30:00 PM	37380						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DKKJPY	9:30:00 AM	37381						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DKKJPY	11:30:00 AM	37382						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DKKJPY	1:30:00 PM	37383						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	DKKJPY	3:30:00 PM	37384						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD	9:30:00 AM	37385						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD	11:30:00 AM	37386						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD	1:30:00 PM	37387						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD	3:30:00 PM	37388						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD.fx	9:30:00 AM	37389						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD.fx	11:30:00 AM	37390						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD.fx	1:30:00 PM	37391						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURAUD.fx	3:30:00 PM	37392						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD	9:30:00 AM	37393						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD	11:30:00 AM	37394						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD	1:30:00 PM	37395						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD	3:30:00 PM	37396						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD.fx	9:30:00 AM	37397						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD.fx	11:30:00 AM	37398						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD.fx	1:30:00 PM	37399						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCAD.fx	3:30:00 PM	37400						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF	9:30:00 AM	37401						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF	11:30:00 AM	37402						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF	1:30:00 PM	37403						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF	3:30:00 PM	37404						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF.fx	9:30:00 AM	37405						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF.fx	11:30:00 AM	37406						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF.fx	1:30:00 PM	37407						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCHF.fx	3:30:00 PM	37408						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCZK	9:30:00 AM	37409						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCZK	11:30:00 AM	37410						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURCZK	1:30:00 PM	37411						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	EURCZK	3:30:00 PM	37412						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURDKK	9:30:00 AM	37413						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURDKK	11:30:00 AM	37414						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURDKK	1:30:00 PM	37415						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURDKK	3:30:00 PM	37416						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP	9:30:00 AM	37417						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP	11:30:00 AM	37418						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP	1:30:00 PM	37419						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP	3:30:00 PM	37420						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP.fx	9:30:00 AM	37421						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP.fx	11:30:00 AM	37422						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP.fx	1:30:00 PM	37423						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURGBP.fx	3:30:00 PM	37424						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD	9:30:00 AM	37425						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD	11:30:00 AM	37426						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD	1:30:00 PM	37427						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD	3:30:00 PM	37428						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD.fx	9:30:00 AM	37429						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD.fx	11:30:00 AM	37430						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD.fx	1:30:00 PM	37431						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHKD.fx	3:30:00 PM	37432						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF	9:30:00 AM	37433						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF	11:30:00 AM	37434						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF	1:30:00 PM	37435						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF	3:30:00 PM	37436						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF.fx	9:30:00 AM	37437						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF.fx	11:30:00 AM	37438						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF.fx	1:30:00 PM	37439						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURHUF.fx	3:30:00 PM	37440						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY	9:30:00 AM	37441						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY	11:30:00 AM	37442						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY	1:30:00 PM	37443						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY	3:30:00 PM	37444						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY.fx	9:30:00 AM	37445						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	EURJPY.fx	11:30:00 AM	37446						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY.fx	1:30:00 PM	37447						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURJPY.fx	3:30:00 PM	37448						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN	9:30:00 AM	37449						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN	11:30:00 AM	37450						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN	1:30:00 PM	37451						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN	3:30:00 PM	37452						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN.fx	9:30:00 AM	37453						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN.fx	11:30:00 AM	37454						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN.fx	1:30:00 PM	37455						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURMXN.fx	3:30:00 PM	37456						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK	9:30:00 AM	37457						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK	11:30:00 AM	37458						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK	1:30:00 PM	37459						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK	3:30:00 PM	37460						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK.fx	9:30:00 AM	37461						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK.fx	11:30:00 AM	37462						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK.fx	1:30:00 PM	37463						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNOK.fx	3:30:00 PM	37464						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD	9:30:00 AM	37465						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD	11:30:00 AM	37466						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD	1:30:00 PM	37467						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD	3:30:00 PM	37468						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD.fx	9:30:00 AM	37469						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD.fx	11:30:00 AM	37470						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD.fx	1:30:00 PM	37471						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURNZD.fx	3:30:00 PM	37472						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN	9:30:00 AM	37473						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN	11:30:00 AM	37474						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN	1:30:00 PM	37475						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN	3:30:00 PM	37476						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN.fx	9:30:00 AM	37477						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN.fx	11:30:00 AM	37478						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURPLN.fx	1:30:00 PM	37479						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	EURPLN.fx	3:30:00 PM	37480						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURRUB	9:30:00 AM	37481						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURRUB	11:30:00 AM	37482						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURRUB	1:30:00 PM	37483						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURRUB	3:30:00 PM	37484						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK	9:30:00 AM	37485						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK	11:30:00 AM	37486						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK	1:30:00 PM	37487						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK	3:30:00 PM	37488						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK.fx	9:30:00 AM	37489						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK.fx	11:30:00 AM	37490						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK.fx	1:30:00 PM	37491						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSEK.fx	3:30:00 PM	37492						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD	9:30:00 AM	37493						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD	11:30:00 AM	37494						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD	1:30:00 PM	37495						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD	3:30:00 PM	37496						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD.fx	9:30:00 AM	37497						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD.fx	11:30:00 AM	37498						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD.fx	1:30:00 PM	37499						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURSGD.fx	3:30:00 PM	37500						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD	9:30:00 AM	37501						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD	11:30:00 AM	37502						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD	1:30:00 PM	37503						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD	3:30:00 PM	37504						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD.fx	9:30:00 AM	37505						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD.fx	11:30:00 AM	37506						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD.fx	1:30:00 PM	37507						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURUSD.fx	3:30:00 PM	37508						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR	9:30:00 AM	37509						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR	11:30:00 AM	37510						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR	1:30:00 PM	37511						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR	3:30:00 PM	37512						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR.fx	9:30:00 AM	37513						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	EURZAR.fx	11:30:00 AM	37514						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR.fx	1:30:00 PM	37515						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	EURZAR.fx	3:30:00 PM	37516						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD	9:30:00 AM	37517						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD	11:30:00 AM	37518						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD	1:30:00 PM	37519						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD	3:30:00 PM	37520						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD.fx	9:30:00 AM	37521						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD.fx	11:30:00 AM	37522						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD.fx	1:30:00 PM	37523						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPAUD.fx	3:30:00 PM	37524						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD	9:30:00 AM	37525						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD	11:30:00 AM	37526						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD	1:30:00 PM	37527						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD	3:30:00 PM	37528						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD.fx	9:30:00 AM	37529						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD.fx	11:30:00 AM	37530						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD.fx	1:30:00 PM	37531						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCAD.fx	3:30:00 PM	37532						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF	9:30:00 AM	37533						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF	11:30:00 AM	37534						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF	1:30:00 PM	37535						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF	3:30:00 PM	37536						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF.fx	9:30:00 AM	37537						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF.fx	11:30:00 AM	37538						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF.fx	1:30:00 PM	37539						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCHF.fx	3:30:00 PM	37540						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCZK	9:30:00 AM	37541						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCZK	11:30:00 AM	37542						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCZK	1:30:00 PM	37543						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPCZK	3:30:00 PM	37544						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK	9:30:00 AM	37545						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK	11:30:00 AM	37546						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK	1:30:00 PM	37547						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	GBPDKK	3:30:00 PM	37548						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK.fx	9:30:00 AM	37549						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK.fx	11:30:00 AM	37550						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK.fx	1:30:00 PM	37551						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPDKK.fx	3:30:00 PM	37552						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHKD	9:30:00 AM	37553						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHKD	11:30:00 AM	37554						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHKD	1:30:00 PM	37555						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHKD	3:30:00 PM	37556						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHUF	9:30:00 AM	37557						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHUF	11:30:00 AM	37558						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHUF	1:30:00 PM	37559						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPHUF	3:30:00 PM	37560						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY	9:30:00 AM	37561						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY	11:30:00 AM	37562						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY	1:30:00 PM	37563						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY	3:30:00 PM	37564						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY.fx	9:30:00 AM	37565						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY.fx	11:30:00 AM	37566						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY.fx	1:30:00 PM	37567						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPJPY.fx	3:30:00 PM	37568						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPMXN	9:30:00 AM	37569						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPMXN	11:30:00 AM	37570						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPMXN	1:30:00 PM	37571						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPMXN	3:30:00 PM	37572						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK	9:30:00 AM	37573						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK	11:30:00 AM	37574						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK	1:30:00 PM	37575						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK	3:30:00 PM	37576						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK.fx	9:30:00 AM	37577						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK.fx	11:30:00 AM	37578						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK.fx	1:30:00 PM	37579						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNOK.fx	3:30:00 PM	37580						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD	9:30:00 AM	37581						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	GBPNZD	11:30:00 AM	37582						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD	1:30:00 PM	37583						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD	3:30:00 PM	37584						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD.fx	9:30:00 AM	37585						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD.fx	11:30:00 AM	37586						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD.fx	1:30:00 PM	37587						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPNZD.fx	3:30:00 PM	37588						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN	9:30:00 AM	37589						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN	11:30:00 AM	37590						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN	1:30:00 PM	37591						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN	3:30:00 PM	37592						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN.fx	9:30:00 AM	37593						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN.fx	11:30:00 AM	37594						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN.fx	1:30:00 PM	37595						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPPLN.fx	3:30:00 PM	37596						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK	9:30:00 AM	37597						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK	11:30:00 AM	37598						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK	1:30:00 PM	37599						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK	3:30:00 PM	37600						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK.fx	9:30:00 AM	37601						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK.fx	11:30:00 AM	37602						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK.fx	1:30:00 PM	37603						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSEK.fx	3:30:00 PM	37604						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD	9:30:00 AM	37605						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD	11:30:00 AM	37606						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD	1:30:00 PM	37607						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD	3:30:00 PM	37608						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD.fx	9:30:00 AM	37609						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD.fx	11:30:00 AM	37610						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD.fx	1:30:00 PM	37611						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPSGD.fx	3:30:00 PM	37612						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD	9:30:00 AM	37613						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD	11:30:00 AM	37614						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD	1:30:00 PM	37615						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	GBPUSD	3:30:00 PM	37616						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD.fx	9:30:00 AM	37617						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD.fx	11:30:00 AM	37618						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD.fx	1:30:00 PM	37619						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPUSD.fx	3:30:00 PM	37620						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR	9:30:00 AM	37621						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR	11:30:00 AM	37622						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR	1:30:00 PM	37623						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR	3:30:00 PM	37624						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR.fx	9:30:00 AM	37625						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR.fx	11:30:00 AM	37626						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR.fx	1:30:00 PM	37627						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GBPZAR.fx	3:30:00 PM	37628						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GOLD	9:30:00 AM	37629						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GOLD	11:30:00 AM	37630						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GOLD	1:30:00 PM	37631						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	GOLD	3:30:00 PM	37632						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY	9:30:00 AM	37633						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY	11:30:00 AM	37634						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY	1:30:00 PM	37635						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY	3:30:00 PM	37636						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY.fx	9:30:00 AM	37637						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY.fx	11:30:00 AM	37638						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY.fx	1:30:00 PM	37639						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HKDJPY.fx	3:30:00 PM	37640						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HUFJPY	9:30:00 AM	37641						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HUFJPY	11:30:00 AM	37642						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HUFJPY	1:30:00 PM	37643						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	HUFJPY	3:30:00 PM	37644						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	JP225.i	9:30:00 AM	37645						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	JP225.i	11:30:00 AM	37646						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	JP225.i	1:30:00 PM	37647						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	JP225.i	3:30:00 PM	37648						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	MXNJPY	9:30:00 AM	37649						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	MXNJPY	11:30:00 AM	37650						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	MXNJPY	1:30:00 PM	37651						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	MXNJPY	3:30:00 PM	37652						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NASDAQ.i	9:30:00 AM	37653						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NASDAQ.i	11:30:00 AM	37654						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NASDAQ.i	1:30:00 PM	37655						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NASDAQ.i	3:30:00 PM	37656						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY	9:30:00 AM	37657						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY	11:30:00 AM	37658						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY	1:30:00 PM	37659						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY	3:30:00 PM	37660						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY.fx	9:30:00 AM	37661						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY.fx	11:30:00 AM	37662						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY.fx	1:30:00 PM	37663						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NOKJPY.fx	3:30:00 PM	37664						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD	9:30:00 AM	37665						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD	11:30:00 AM	37666						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD	1:30:00 PM	37667						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD	3:30:00 PM	37668						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD.fx	9:30:00 AM	37669						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD.fx	11:30:00 AM	37670						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD.fx	1:30:00 PM	37671						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCAD.fx	3:30:00 PM	37672						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF	9:30:00 AM	37673						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF	11:30:00 AM	37674						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF	1:30:00 PM	37675						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF	3:30:00 PM	37676						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF.fx	9:30:00 AM	37677						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF.fx	11:30:00 AM	37678						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF.fx	1:30:00 PM	37679						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCHF.fx	3:30:00 PM	37680						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCZK	9:30:00 AM	37681						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCZK	11:30:00 AM	37682						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDCZK	1:30:00 PM	37683						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	NZDCZK	3:30:00 PM	37684						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDDKK	9:30:00 AM	37685						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDDKK	11:30:00 AM	37686						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDDKK	1:30:00 PM	37687						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDDKK	3:30:00 PM	37688						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHKD	9:30:00 AM	37689						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHKD	11:30:00 AM	37690						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHKD	1:30:00 PM	37691						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHKD	3:30:00 PM	37692						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHUF	9:30:00 AM	37693						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHUF	11:30:00 AM	37694						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHUF	1:30:00 PM	37695						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDHUF	3:30:00 PM	37696						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY	9:30:00 AM	37697						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY	11:30:00 AM	37698						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY	1:30:00 PM	37699						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY	3:30:00 PM	37700						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY.fx	9:30:00 AM	37701						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY.fx	11:30:00 AM	37702						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY.fx	1:30:00 PM	37703						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDJPY.fx	3:30:00 PM	37704						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDMXN	9:30:00 AM	37705						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDMXN	11:30:00 AM	37706						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDMXN	1:30:00 PM	37707						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDMXN	3:30:00 PM	37708						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDNOK	9:30:00 AM	37709						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDNOK	11:30:00 AM	37710						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDNOK	1:30:00 PM	37711						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDNOK	3:30:00 PM	37712						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDPLN	9:30:00 AM	37713						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDPLN	11:30:00 AM	37714						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDPLN	1:30:00 PM	37715						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDPLN	3:30:00 PM	37716						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSEK	9:30:00 AM	37717						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	NZDSEK	11:30:00 AM	37718						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSEK	1:30:00 PM	37719						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSEK	3:30:00 PM	37720						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD	9:30:00 AM	37721						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD	11:30:00 AM	37722						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD	1:30:00 PM	37723						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD	3:30:00 PM	37724						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD.fx	9:30:00 AM	37725						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD.fx	11:30:00 AM	37726						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD.fx	1:30:00 PM	37727						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDSGD.fx	3:30:00 PM	37728						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD	9:30:00 AM	37729						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD	11:30:00 AM	37730						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD	1:30:00 PM	37731						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD	3:30:00 PM	37732						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD.fx	9:30:00 AM	37733						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD.fx	11:30:00 AM	37734						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD.fx	1:30:00 PM	37735						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDUSD.fx	3:30:00 PM	37736						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDZAR	9:30:00 AM	37737						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDZAR	11:30:00 AM	37738						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDZAR	1:30:00 PM	37739						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	NZDZAR	3:30:00 PM	37740						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY	9:30:00 AM	37741						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY	11:30:00 AM	37742						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY	1:30:00 PM	37743						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY	3:30:00 PM	37744						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY.fx	9:30:00 AM	37745						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY.fx	11:30:00 AM	37746						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY.fx	1:30:00 PM	37747						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SEKJPY.fx	3:30:00 PM	37748						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SGDJPY	9:30:00 AM	37749						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SGDJPY	11:30:00 AM	37750						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SGDJPY	1:30:00 PM	37751						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	SGDJPY	3:30:00 PM	37752						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SILVER	9:30:00 AM	37753						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SILVER	11:30:00 AM	37754						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SILVER	1:30:00 PM	37755						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SILVER	3:30:00 PM	37756						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SPX500.i	9:30:00 AM	37757						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SPX500.i	11:30:00 AM	37758						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SPX500.i	1:30:00 PM	37759						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	SPX500.i	3:30:00 PM	37760						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	UK100.i	9:30:00 AM	37761						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	UK100.i	11:30:00 AM	37762						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	UK100.i	1:30:00 PM	37763						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	UK100.i	3:30:00 PM	37764						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD	9:30:00 AM	37765						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD	11:30:00 AM	37766						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD	1:30:00 PM	37767						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD	3:30:00 PM	37768						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD.fx	9:30:00 AM	37769						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD.fx	11:30:00 AM	37770						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD.fx	1:30:00 PM	37771						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCAD.fx	3:30:00 PM	37772						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF	9:30:00 AM	37773						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF	11:30:00 AM	37774						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF	1:30:00 PM	37775						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF	3:30:00 PM	37776						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF.fx	9:30:00 AM	37777						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF.fx	11:30:00 AM	37778						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF.fx	1:30:00 PM	37779						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCHF.fx	3:30:00 PM	37780						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK	9:30:00 AM	37781						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK	11:30:00 AM	37782						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK	1:30:00 PM	37783						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK	3:30:00 PM	37784						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK.fx	9:30:00 AM	37785						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	USDCZK.fx	11:30:00 AM	37786						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK.fx	1:30:00 PM	37787						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDCZK.fx	3:30:00 PM	37788						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK	9:30:00 AM	37789						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK	11:30:00 AM	37790						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK	1:30:00 PM	37791						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK	3:30:00 PM	37792						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK.fx	9:30:00 AM	37793						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK.fx	11:30:00 AM	37794						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK.fx	1:30:00 PM	37795						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDDKK.fx	3:30:00 PM	37796						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD	9:30:00 AM	37797						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD	11:30:00 AM	37798						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD	1:30:00 PM	37799						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD	3:30:00 PM	37800						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD.fx	9:30:00 AM	37801						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD.fx	11:30:00 AM	37802						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD.fx	1:30:00 PM	37803						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHKD.fx	3:30:00 PM	37804						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF	9:30:00 AM	37805						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF	11:30:00 AM	37806						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF	1:30:00 PM	37807						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF	3:30:00 PM	37808						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF.fx	9:30:00 AM	37809						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF.fx	11:30:00 AM	37810						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF.fx	1:30:00 PM	37811						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDHUF.fx	3:30:00 PM	37812						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDINR	9:30:00 AM	37813						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDINR	11:30:00 AM	37814						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDINR	1:30:00 PM	37815						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDINR	3:30:00 PM	37816						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY	9:30:00 AM	37817						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY	11:30:00 AM	37818						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY	1:30:00 PM	37819						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	USDJPY	3:30:00 PM	37820						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY.fx	9:30:00 AM	37821						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY.fx	11:30:00 AM	37822						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY.fx	1:30:00 PM	37823						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDJPY.fx	3:30:00 PM	37824						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN	9:30:00 AM	37825						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN	11:30:00 AM	37826						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN	1:30:00 PM	37827						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN	3:30:00 PM	37828						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN.fx	9:30:00 AM	37829						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN.fx	11:30:00 AM	37830						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN.fx	1:30:00 PM	37831						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDMXN.fx	3:30:00 PM	37832						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK	9:30:00 AM	37833						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK	11:30:00 AM	37834						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK	1:30:00 PM	37835						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK	3:30:00 PM	37836						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK.fx	9:30:00 AM	37837						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK.fx	11:30:00 AM	37838						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK.fx	1:30:00 PM	37839						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDNOK.fx	3:30:00 PM	37840						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN	9:30:00 AM	37841						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN	11:30:00 AM	37842						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN	1:30:00 PM	37843						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN	3:30:00 PM	37844						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN.fx	9:30:00 AM	37845						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN.fx	11:30:00 AM	37846						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN.fx	1:30:00 PM	37847						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDPLN.fx	3:30:00 PM	37848						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDRUB	9:30:00 AM	37849						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDRUB	11:30:00 AM	37850						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDRUB	1:30:00 PM	37851						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDRUB	3:30:00 PM	37852						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK	9:30:00 AM	37853						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	USDSEK	11:30:00 AM	37854						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK	1:30:00 PM	37855						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK	3:30:00 PM	37856						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK.fx	9:30:00 AM	37857						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK.fx	11:30:00 AM	37858						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK.fx	1:30:00 PM	37859						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSEK.fx	3:30:00 PM	37860						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD	9:30:00 AM	37861						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD	11:30:00 AM	37862						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD	1:30:00 PM	37863						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD	3:30:00 PM	37864						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD.fx	9:30:00 AM	37865						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD.fx	11:30:00 AM	37866						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD.fx	1:30:00 PM	37867						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDSGD.fx	3:30:00 PM	37868						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR	9:30:00 AM	37869						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR	11:30:00 AM	37870						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR	1:30:00 PM	37871						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR	3:30:00 PM	37872						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR.fx	9:30:00 AM	37873						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR.fx	11:30:00 AM	37874						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR.fx	1:30:00 PM	37875						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	USDZAR.fx	3:30:00 PM	37876						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	XAUUSD	9:30:00 AM	37877						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	XAUUSD	11:30:00 AM	37878						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	XAUUSD	1:30:00 PM	37879						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	XAUUSD	3:30:00 PM	37880						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY	9:30:00 AM	37881						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY	11:30:00 AM	37882						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY	1:30:00 PM	37883						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY	3:30:00 PM	37884						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY.fx	9:30:00 AM	37885						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY.fx	11:30:00 AM	37886						Continuous Quote	N/A	ELECTRONIC	N/A
11/1/2019	ZARJPY.fx	1:30:00 PM	37887						Continuous Quote	N/A	ELECTRONIC	N/A

11/1/2019	ZARJPY.fx	3:30:00 PM	37888						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#AA	9:30:00 AM	37889						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#AA	11:30:00 AM	37890						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#AA	3:30:00 PM	37892						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#ADBE	3:30:00 PM	37908						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#AIG	1:30:00 PM	37911						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#AIG	3:30:00 PM	37912						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#AMD	9:30:00 AM	37913						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#AMD	11:30:00 AM	37914						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#AXP	11:30:00 AM	37922						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#BARC	3:30:00 PM	37940						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#BHP	11:30:00 AM	37942						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BHP	1:30:00 PM	37943						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BHP	3:30:00 PM	37944						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BIDU	9:30:00 AM	37945						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BIDU	11:30:00 AM	37946						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BIDU	1:30:00 PM	37947						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#BK	11:30:00 AM	37954						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#BP	11:30:00 AM	37962						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BP	1:30:00 PM	37963						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BP	3:30:00 PM	37964						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BTA	9:30:00 AM	37965						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BTA	11:30:00 AM	37966						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BTA	1:30:00 PM	37967						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#BTA	3:30:00 PM	37968						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#C	9:30:00 AM	37969						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#C	11:30:00 AM	37970						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#CL.f	9:30:00 AM	37981						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#CMCSA	9:30:00 AM	37985						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#CVX	1:30:00 PM	37995						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#CVX	3:30:00 PM	37996						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#DD	9:30:00 AM	37997						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#DD	11:30:00 AM	37998						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#DIS	1:30:00 PM	38003						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#DIS	3:30:00 PM	38004						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#DWDP	9:30:00 AM	38005						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#EBAY	3:30:00 PM	38012						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#F	1:30:00 PM	38019						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#F	3:30:00 PM	38020						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#FB	9:30:00 AM	38021						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#FB	11:30:00 AM	38022						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#FDX	3:30:00 PM	38032						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#GILD	11:30:00 AM	38046						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#GILD	3:30:00 PM	38048						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#IBM	11:30:00 AM	38082						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#ILMN	3:30:00 PM	38088						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#INTC	9:30:00 AM	38089						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#INTC	11:30:00 AM	38090						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#UTX	1:30:00 PM	38295						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	#UTX	3:30:00 PM	38296						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#V	11:30:00 AM	38298						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#V	1:30:00 PM	38299						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#V	3:30:00 PM	38300						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#VOD	9:30:00 AM	38301						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#VOD	1:30:00 PM	38303						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#VOD	3:30:00 PM	38304						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#VZ	9:30:00 AM	38305						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#VZ	11:30:00 AM	38306						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#VZ	3:30:00 PM	38308						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WDC	9:30:00 AM	38309						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WDC	11:30:00 AM	38310						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#WDC	3:30:00 PM	38312						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WFC	9:30:00 AM	38313						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#WFC	3:30:00 PM	38316						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WMT	9:30:00 AM	38317						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WMT	11:30:00 AM	38318						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#WMT	1:30:00 PM	38319						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#XOM	1:30:00 PM	38323						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#XOM	3:30:00 PM	38324						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	#YHOO	11:30:00 AM	38326						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#YHOO	1:30:00 PM	38327						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#YHOO	3:30:00 PM	38328						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	#ZNGA	9:30:00 AM	38329						Continuous Quote	N/A	ELECTRONIC	N/A

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11/2/2019	AUDCAD	11:30:00 AM	38334						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDCAD	1:30:00 PM	38335						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDCAD	3:30:00 PM	38336						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCAD.fx	11:30:00 AM	38338						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCAD.fx	3:30:00 PM	38340						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCHF	11:30:00 AM	38342						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCHF.fx	11:30:00 AM	38346						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDCHF.fx	1:30:00 PM	38347						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCZK	9:30:00 AM	38349						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDCZK	1:30:00 PM	38351						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDCZK	3:30:00 PM	38352						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDDKK	9:30:00 AM	38353						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDDKK	1:30:00 PM	38355						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDDKK	3:30:00 PM	38356						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHKD	9:30:00 AM	38357						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHKD	11:30:00 AM	38358						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHKD	1:30:00 PM	38359						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHKD	3:30:00 PM	38360						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHUF	9:30:00 AM	38361						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHUF	11:30:00 AM	38362						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDHUF	1:30:00 PM	38363						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	AUDHUF	3:30:00 PM	38364						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDJPY	11:30:00 AM	38366						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY	1:30:00 PM	38367						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY	3:30:00 PM	38368						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY.fx	9:30:00 AM	38369						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY.fx	11:30:00 AM	38370						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY.fx	1:30:00 PM	38371						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDJPY.fx	3:30:00 PM	38372						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDMXN	9:30:00 AM	38373						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDMXN	11:30:00 AM	38374						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDMXN	1:30:00 PM	38375						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDMXN	3:30:00 PM	38376						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK	9:30:00 AM	38377						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK	11:30:00 AM	38378						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDNOK	3:30:00 PM	38380						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK.fx	9:30:00 AM	38381						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK.fx	11:30:00 AM	38382						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK.fx	1:30:00 PM	38383						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNOK.fx	3:30:00 PM	38384						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDNZD	11:30:00 AM	38386						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD	1:30:00 PM	38387						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD	3:30:00 PM	38388						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD.fx	9:30:00 AM	38389						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD.fx	11:30:00 AM	38390						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD.fx	1:30:00 PM	38391						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDNZD.fx	3:30:00 PM	38392						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDPLN	9:30:00 AM	38393						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDPLN	11:30:00 AM	38394						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDPLN	1:30:00 PM	38395						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDPLN	3:30:00 PM	38396						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSEK	9:30:00 AM	38397						Continuous Quote	N/A	ELECTRONIC	N/A

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11/2/2019	AUDSEK	3:30:00 PM	38400						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDSEK.fx	11:30:00 AM	38402						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSEK.fx	1:30:00 PM	38403						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSEK.fx	3:30:00 PM	38404						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD	9:30:00 AM	38405						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD	11:30:00 AM	38406						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD	1:30:00 PM	38407						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD	3:30:00 PM	38408						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD.fx	9:30:00 AM	38409						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDSGD.fx	11:30:00 AM	38410						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDSGD.fx	3:30:00 PM	38412						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDUSD	1:30:00 PM	38415						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	AUDUSD.fx	1:30:00 PM	38419						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDUSD.fx	3:30:00 PM	38420						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDZAR	9:30:00 AM	38421						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDZAR	11:30:00 AM	38422						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDZAR	1:30:00 PM	38423						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUDZAR	3:30:00 PM	38424						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUS200.i	9:30:00 AM	38425						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	AUS200.i	11:30:00 AM	38426						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	BCHUSD	9:30:00 AM	38429						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	BCHUSD	11:30:00 AM	38430						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	BCHUSD	3:30:00 PM	38432						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADCHF	11:30:00 AM	38434						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADCHF	1:30:00 PM	38435						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADCHF.fx	11:30:00 AM	38438						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADDDKK	3:30:00 PM	38448						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADHUF	3:30:00 PM	38456						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY	9:30:00 AM	38457						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY	11:30:00 AM	38458						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY	1:30:00 PM	38459						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY	3:30:00 PM	38460						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY.fx	9:30:00 AM	38461						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY.fx	11:30:00 AM	38462						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY.fx	1:30:00 PM	38463						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADJPY.fx	3:30:00 PM	38464						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADMXN	9:30:00 AM	38465						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	CADMXN	11:30:00 AM	38466						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADMXN	1:30:00 PM	38467						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADMXN	3:30:00 PM	38468						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADNOK	9:30:00 AM	38469						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADNOK	11:30:00 AM	38470						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADNOK	3:30:00 PM	38472						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADPLN	3:30:00 PM	38476						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADSEK	9:30:00 AM	38477						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADSEK	11:30:00 AM	38478						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADSEK	3:30:00 PM	38480						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADSGD	9:30:00 AM	38481						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADSGD	11:30:00 AM	38482						Continuous Quote	N/A	ELECTRONIC	N/A
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11/2/2019	CADZAR	1:30:00 PM	38487						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CADZAR	3:30:00 PM	38488						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFCZK	9:30:00 AM	38489						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFCZK	11:30:00 AM	38490						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFCZK	1:30:00 PM	38491						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFCZK	3:30:00 PM	38492						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK	9:30:00 AM	38493						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK	11:30:00 AM	38494						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK	1:30:00 PM	38495						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK	3:30:00 PM	38496						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK.fx	9:30:00 AM	38497						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK.fx	11:30:00 AM	38498						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFDKK.fx	1:30:00 PM	38499						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	CHFDKK.fx	3:30:00 PM	38500						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHKD	9:30:00 AM	38501						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHKD	11:30:00 AM	38502						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHKD	1:30:00 PM	38503						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHKD	3:30:00 PM	38504						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHUF	9:30:00 AM	38505						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHUF	11:30:00 AM	38506						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHUF	1:30:00 PM	38507						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFHUF	3:30:00 PM	38508						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY	9:30:00 AM	38509						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY	11:30:00 AM	38510						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY	1:30:00 PM	38511						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY	3:30:00 PM	38512						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY.fx	9:30:00 AM	38513						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY.fx	11:30:00 AM	38514						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY.fx	1:30:00 PM	38515						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFJPY.fx	3:30:00 PM	38516						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFMXN	9:30:00 AM	38517						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFMXN	11:30:00 AM	38518						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFMXN	1:30:00 PM	38519						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFMXN	3:30:00 PM	38520						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK	9:30:00 AM	38521						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK	11:30:00 AM	38522						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK	1:30:00 PM	38523						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK	3:30:00 PM	38524						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK.fx	9:30:00 AM	38525						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK.fx	11:30:00 AM	38526						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK.fx	1:30:00 PM	38527						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFNOK.fx	3:30:00 PM	38528						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN	9:30:00 AM	38529						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN	11:30:00 AM	38530						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN	1:30:00 PM	38531						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN	3:30:00 PM	38532						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN.fx	9:30:00 AM	38533						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	CHFPLN.fx	11:30:00 AM	38534						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN.fx	1:30:00 PM	38535						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFPLN.fx	3:30:00 PM	38536						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSEK	9:30:00 AM	38537						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSEK	11:30:00 AM	38538						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSEK	1:30:00 PM	38539						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSEK	3:30:00 PM	38540						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD	9:30:00 AM	38541						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD	11:30:00 AM	38542						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD	1:30:00 PM	38543						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD	3:30:00 PM	38544						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD.fx	9:30:00 AM	38545						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD.fx	11:30:00 AM	38546						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD.fx	1:30:00 PM	38547						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFSGD.fx	3:30:00 PM	38548						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFZAR	9:30:00 AM	38549						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFZAR	11:30:00 AM	38550						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFZAR	1:30:00 PM	38551						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CHFZAR	3:30:00 PM	38552						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CZKJPY	9:30:00 AM	38553						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CZKJPY	11:30:00 AM	38554						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CZKJPY	1:30:00 PM	38555						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	CZKJPY	3:30:00 PM	38556						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DAX30.i	9:30:00 AM	38557						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DAX30.i	11:30:00 AM	38558						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DAX30.i	1:30:00 PM	38559						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DAX30.i	3:30:00 PM	38560						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DJ30.i	9:30:00 AM	38561						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DJ30.i	11:30:00 AM	38562						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DJ30.i	1:30:00 PM	38563						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DJ30.i	3:30:00 PM	38564						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DKKJPY	9:30:00 AM	38565						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DKKJPY	11:30:00 AM	38566						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	DKKJPY	1:30:00 PM	38567						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	DKKJPY	3:30:00 PM	38568						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD	9:30:00 AM	38569						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD	11:30:00 AM	38570						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD	1:30:00 PM	38571						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD	3:30:00 PM	38572						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD.fx	9:30:00 AM	38573						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD.fx	11:30:00 AM	38574						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD.fx	1:30:00 PM	38575						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURAUD.fx	3:30:00 PM	38576						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD	9:30:00 AM	38577						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD	11:30:00 AM	38578						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD	1:30:00 PM	38579						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD	3:30:00 PM	38580						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD.fx	9:30:00 AM	38581						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD.fx	11:30:00 AM	38582						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD.fx	1:30:00 PM	38583						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCAD.fx	3:30:00 PM	38584						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF	9:30:00 AM	38585						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF	11:30:00 AM	38586						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF	1:30:00 PM	38587						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF	3:30:00 PM	38588						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF.fx	9:30:00 AM	38589						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF.fx	11:30:00 AM	38590						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF.fx	1:30:00 PM	38591						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCHF.fx	3:30:00 PM	38592						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCZK	9:30:00 AM	38593						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCZK	11:30:00 AM	38594						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCZK	1:30:00 PM	38595						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURCZK	3:30:00 PM	38596						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURDKK	9:30:00 AM	38597						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURDKK	11:30:00 AM	38598						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURDKK	1:30:00 PM	38599						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURDKK	3:30:00 PM	38600						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP	9:30:00 AM	38601						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	EURGBP	11:30:00 AM	38602						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP	1:30:00 PM	38603						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP	3:30:00 PM	38604						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP.fx	9:30:00 AM	38605						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP.fx	11:30:00 AM	38606						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP.fx	1:30:00 PM	38607						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURGBP.fx	3:30:00 PM	38608						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD	9:30:00 AM	38609						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD	11:30:00 AM	38610						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD	1:30:00 PM	38611						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD	3:30:00 PM	38612						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD.fx	9:30:00 AM	38613						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD.fx	11:30:00 AM	38614						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD.fx	1:30:00 PM	38615						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHKD.fx	3:30:00 PM	38616						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF	9:30:00 AM	38617						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF	11:30:00 AM	38618						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF	1:30:00 PM	38619						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF	3:30:00 PM	38620						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF.fx	9:30:00 AM	38621						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF.fx	11:30:00 AM	38622						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF.fx	1:30:00 PM	38623						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURHUF.fx	3:30:00 PM	38624						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY	9:30:00 AM	38625						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY	11:30:00 AM	38626						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY	1:30:00 PM	38627						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY	3:30:00 PM	38628						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY.fx	9:30:00 AM	38629						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY.fx	11:30:00 AM	38630						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY.fx	1:30:00 PM	38631						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURJPY.fx	3:30:00 PM	38632						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN	9:30:00 AM	38633						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN	11:30:00 AM	38634						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN	1:30:00 PM	38635						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	EURMXN	3:30:00 PM	38636						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN.fx	9:30:00 AM	38637						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN.fx	11:30:00 AM	38638						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN.fx	1:30:00 PM	38639						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURMXN.fx	3:30:00 PM	38640						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK	9:30:00 AM	38641						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK	11:30:00 AM	38642						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK	1:30:00 PM	38643						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK	3:30:00 PM	38644						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK.fx	9:30:00 AM	38645						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK.fx	11:30:00 AM	38646						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK.fx	1:30:00 PM	38647						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNOK.fx	3:30:00 PM	38648						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD	9:30:00 AM	38649						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD	11:30:00 AM	38650						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD	1:30:00 PM	38651						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD	3:30:00 PM	38652						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD.fx	9:30:00 AM	38653						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD.fx	11:30:00 AM	38654						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD.fx	1:30:00 PM	38655						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURNZD.fx	3:30:00 PM	38656						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN	9:30:00 AM	38657						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN	11:30:00 AM	38658						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN	1:30:00 PM	38659						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN	3:30:00 PM	38660						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN.fx	9:30:00 AM	38661						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN.fx	11:30:00 AM	38662						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN.fx	1:30:00 PM	38663						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURPLN.fx	3:30:00 PM	38664						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURRUB	9:30:00 AM	38665						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURRUB	11:30:00 AM	38666						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURRUB	1:30:00 PM	38667						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURRUB	3:30:00 PM	38668						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK	9:30:00 AM	38669						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	EURSEK	11:30:00 AM	38670						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK	1:30:00 PM	38671						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK	3:30:00 PM	38672						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK.fx	9:30:00 AM	38673						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK.fx	11:30:00 AM	38674						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK.fx	1:30:00 PM	38675						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSEK.fx	3:30:00 PM	38676						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD	9:30:00 AM	38677						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD	11:30:00 AM	38678						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD	1:30:00 PM	38679						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD	3:30:00 PM	38680						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD.fx	9:30:00 AM	38681						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD.fx	11:30:00 AM	38682						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD.fx	1:30:00 PM	38683						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURSGD.fx	3:30:00 PM	38684						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD	9:30:00 AM	38685						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD	11:30:00 AM	38686						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD	1:30:00 PM	38687						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD	3:30:00 PM	38688						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD.fx	9:30:00 AM	38689						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD.fx	11:30:00 AM	38690						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD.fx	1:30:00 PM	38691						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURUSD.fx	3:30:00 PM	38692						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR	9:30:00 AM	38693						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR	11:30:00 AM	38694						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR	1:30:00 PM	38695						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR	3:30:00 PM	38696						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR.fx	9:30:00 AM	38697						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR.fx	11:30:00 AM	38698						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR.fx	1:30:00 PM	38699						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	EURZAR.fx	3:30:00 PM	38700						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD	9:30:00 AM	38701						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD	11:30:00 AM	38702						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD	1:30:00 PM	38703						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	GBPAUD	3:30:00 PM	38704						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD.fx	9:30:00 AM	38705						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD.fx	11:30:00 AM	38706						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD.fx	1:30:00 PM	38707						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPAUD.fx	3:30:00 PM	38708						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD	9:30:00 AM	38709						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD	11:30:00 AM	38710						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD	1:30:00 PM	38711						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD	3:30:00 PM	38712						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD.fx	9:30:00 AM	38713						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD.fx	11:30:00 AM	38714						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD.fx	1:30:00 PM	38715						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCAD.fx	3:30:00 PM	38716						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF	9:30:00 AM	38717						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF	11:30:00 AM	38718						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF	1:30:00 PM	38719						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF	3:30:00 PM	38720						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF.fx	9:30:00 AM	38721						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF.fx	11:30:00 AM	38722						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF.fx	1:30:00 PM	38723						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCHF.fx	3:30:00 PM	38724						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCZK	9:30:00 AM	38725						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCZK	11:30:00 AM	38726						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCZK	1:30:00 PM	38727						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPCZK	3:30:00 PM	38728						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK	9:30:00 AM	38729						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK	11:30:00 AM	38730						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK	1:30:00 PM	38731						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK	3:30:00 PM	38732						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK.fx	9:30:00 AM	38733						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK.fx	11:30:00 AM	38734						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK.fx	1:30:00 PM	38735						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPDKK.fx	3:30:00 PM	38736						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHKD	9:30:00 AM	38737						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	GBPHKD	11:30:00 AM	38738						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHKD	1:30:00 PM	38739						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHKD	3:30:00 PM	38740						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHUF	9:30:00 AM	38741						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHUF	11:30:00 AM	38742						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHUF	1:30:00 PM	38743						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPHUF	3:30:00 PM	38744						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY	9:30:00 AM	38745						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY	11:30:00 AM	38746						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY	1:30:00 PM	38747						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY	3:30:00 PM	38748						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY.fx	9:30:00 AM	38749						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY.fx	11:30:00 AM	38750						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY.fx	1:30:00 PM	38751						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPJPY.fx	3:30:00 PM	38752						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPMXN	9:30:00 AM	38753						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPMXN	11:30:00 AM	38754						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPMXN	1:30:00 PM	38755						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPMXN	3:30:00 PM	38756						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK	9:30:00 AM	38757						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK	11:30:00 AM	38758						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK	1:30:00 PM	38759						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK	3:30:00 PM	38760						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK.fx	9:30:00 AM	38761						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK.fx	11:30:00 AM	38762						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK.fx	1:30:00 PM	38763						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNOK.fx	3:30:00 PM	38764						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD	9:30:00 AM	38765						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD	11:30:00 AM	38766						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD	1:30:00 PM	38767						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD	3:30:00 PM	38768						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD.fx	9:30:00 AM	38769						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD.fx	11:30:00 AM	38770						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPNZD.fx	1:30:00 PM	38771						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	GBPNZD.fx	3:30:00 PM	38772						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN	9:30:00 AM	38773						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN	11:30:00 AM	38774						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN	1:30:00 PM	38775						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN	3:30:00 PM	38776						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN.fx	9:30:00 AM	38777						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN.fx	11:30:00 AM	38778						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN.fx	1:30:00 PM	38779						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPPLN.fx	3:30:00 PM	38780						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK	9:30:00 AM	38781						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK	11:30:00 AM	38782						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK	1:30:00 PM	38783						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK	3:30:00 PM	38784						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK.fx	9:30:00 AM	38785						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK.fx	11:30:00 AM	38786						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK.fx	1:30:00 PM	38787						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSEK.fx	3:30:00 PM	38788						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD	9:30:00 AM	38789						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD	11:30:00 AM	38790						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD	1:30:00 PM	38791						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD	3:30:00 PM	38792						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD.fx	9:30:00 AM	38793						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD.fx	11:30:00 AM	38794						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD.fx	1:30:00 PM	38795						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPSGD.fx	3:30:00 PM	38796						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD	9:30:00 AM	38797						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD	11:30:00 AM	38798						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD	1:30:00 PM	38799						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD	3:30:00 PM	38800						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD.fx	9:30:00 AM	38801						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD.fx	11:30:00 AM	38802						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD.fx	1:30:00 PM	38803						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPUSD.fx	3:30:00 PM	38804						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR	9:30:00 AM	38805						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	GBPZAR	11:30:00 AM	38806						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR	1:30:00 PM	38807						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR	3:30:00 PM	38808						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR.fx	9:30:00 AM	38809						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR.fx	11:30:00 AM	38810						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR.fx	1:30:00 PM	38811						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GBPZAR.fx	3:30:00 PM	38812						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GOLD	9:30:00 AM	38813						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GOLD	11:30:00 AM	38814						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GOLD	1:30:00 PM	38815						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	GOLD	3:30:00 PM	38816						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY	9:30:00 AM	38817						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY	11:30:00 AM	38818						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY	1:30:00 PM	38819						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY	3:30:00 PM	38820						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY.fx	9:30:00 AM	38821						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY.fx	11:30:00 AM	38822						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY.fx	1:30:00 PM	38823						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HKDJPY.fx	3:30:00 PM	38824						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HUFJPY	9:30:00 AM	38825						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HUFJPY	11:30:00 AM	38826						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HUFJPY	1:30:00 PM	38827						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	HUFJPY	3:30:00 PM	38828						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JP225.i	9:30:00 AM	38829						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JP225.i	11:30:00 AM	38830						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JP225.i	1:30:00 PM	38831						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JP225.i	3:30:00 PM	38832						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	MXNJPY	9:30:00 AM	38833						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	MXNJPY	11:30:00 AM	38834						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	MXNJPY	1:30:00 PM	38835						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	MXNJPY	3:30:00 PM	38836						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NASDAQ.i	9:30:00 AM	38837						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NASDAQ.i	11:30:00 AM	38838						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NASDAQ.i	1:30:00 PM	38839						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	NASDAQ.i	3:30:00 PM	38840						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY	9:30:00 AM	38841						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY	11:30:00 AM	38842						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY	1:30:00 PM	38843						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY	3:30:00 PM	38844						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY.fx	9:30:00 AM	38845						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY.fx	11:30:00 AM	38846						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY.fx	1:30:00 PM	38847						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NOKJPY.fx	3:30:00 PM	38848						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD	9:30:00 AM	38849						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD	11:30:00 AM	38850						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD	1:30:00 PM	38851						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD	3:30:00 PM	38852						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD.fx	9:30:00 AM	38853						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD.fx	11:30:00 AM	38854						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD.fx	1:30:00 PM	38855						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCAD.fx	3:30:00 PM	38856						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF	9:30:00 AM	38857						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF	11:30:00 AM	38858						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF	1:30:00 PM	38859						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF	3:30:00 PM	38860						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF.fx	9:30:00 AM	38861						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF.fx	11:30:00 AM	38862						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF.fx	1:30:00 PM	38863						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCHF.fx	3:30:00 PM	38864						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCZK	9:30:00 AM	38865						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCZK	11:30:00 AM	38866						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCZK	1:30:00 PM	38867						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDCZK	3:30:00 PM	38868						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDDKK	9:30:00 AM	38869						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDDKK	11:30:00 AM	38870						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDDKK	1:30:00 PM	38871						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDDKK	3:30:00 PM	38872						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHKD	9:30:00 AM	38873						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	NZDHKD	11:30:00 AM	38874						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHKD	1:30:00 PM	38875						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHKD	3:30:00 PM	38876						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHUF	9:30:00 AM	38877						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHUF	11:30:00 AM	38878						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHUF	1:30:00 PM	38879						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDHUF	3:30:00 PM	38880						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY	9:30:00 AM	38881						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY	11:30:00 AM	38882						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY	1:30:00 PM	38883						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY	3:30:00 PM	38884						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY.fx	9:30:00 AM	38885						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY.fx	11:30:00 AM	38886						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY.fx	1:30:00 PM	38887						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDJPY.fx	3:30:00 PM	38888						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDMXN	9:30:00 AM	38889						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDMXN	11:30:00 AM	38890						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDMXN	1:30:00 PM	38891						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDMXN	3:30:00 PM	38892						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDNOK	9:30:00 AM	38893						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDNOK	11:30:00 AM	38894						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDNOK	1:30:00 PM	38895						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDNOK	3:30:00 PM	38896						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDPLN	9:30:00 AM	38897						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDPLN	11:30:00 AM	38898						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDPLN	1:30:00 PM	38899						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDPLN	3:30:00 PM	38900						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSEK	9:30:00 AM	38901						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSEK	11:30:00 AM	38902						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSEK	1:30:00 PM	38903						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSEK	3:30:00 PM	38904						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD	9:30:00 AM	38905						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD	11:30:00 AM	38906						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD	1:30:00 PM	38907						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	NZDSGD	3:30:00 PM	38908						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD.fx	9:30:00 AM	38909						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD.fx	11:30:00 AM	38910						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD.fx	1:30:00 PM	38911						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDSGD.fx	3:30:00 PM	38912						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD	9:30:00 AM	38913						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD	11:30:00 AM	38914						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD	1:30:00 PM	38915						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD	3:30:00 PM	38916						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD.fx	9:30:00 AM	38917						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD.fx	11:30:00 AM	38918						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD.fx	1:30:00 PM	38919						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDUSD.fx	3:30:00 PM	38920						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDZAR	9:30:00 AM	38921						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDZAR	11:30:00 AM	38922						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDZAR	1:30:00 PM	38923						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	NZDZAR	3:30:00 PM	38924						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY	9:30:00 AM	38925						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY	11:30:00 AM	38926						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY	1:30:00 PM	38927						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY	3:30:00 PM	38928						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY.fx	9:30:00 AM	38929						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY.fx	11:30:00 AM	38930						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY.fx	1:30:00 PM	38931						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SEKJPY.fx	3:30:00 PM	38932						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SGDJPY	9:30:00 AM	38933						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SGDJPY	11:30:00 AM	38934						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SGDJPY	1:30:00 PM	38935						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SGDJPY	3:30:00 PM	38936						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SILVER	9:30:00 AM	38937						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SILVER	11:30:00 AM	38938						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SILVER	1:30:00 PM	38939						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SILVER	3:30:00 PM	38940						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SPX500.i	9:30:00 AM	38941						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	SPX500.i	11:30:00 AM	38942						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SPX500.i	1:30:00 PM	38943						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	SPX500.i	3:30:00 PM	38944						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	UK100.i	9:30:00 AM	38945						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	UK100.i	11:30:00 AM	38946						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	UK100.i	1:30:00 PM	38947						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	UK100.i	3:30:00 PM	38948						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD	9:30:00 AM	38949						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD	11:30:00 AM	38950						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD	1:30:00 PM	38951						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD	3:30:00 PM	38952						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD.fx	9:30:00 AM	38953						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD.fx	11:30:00 AM	38954						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD.fx	1:30:00 PM	38955						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCAD.fx	3:30:00 PM	38956						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF	9:30:00 AM	38957						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF	11:30:00 AM	38958						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF	1:30:00 PM	38959						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF	3:30:00 PM	38960						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF.fx	9:30:00 AM	38961						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF.fx	11:30:00 AM	38962						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF.fx	1:30:00 PM	38963						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCHF.fx	3:30:00 PM	38964						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK	9:30:00 AM	38965						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK	11:30:00 AM	38966						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK	1:30:00 PM	38967						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK	3:30:00 PM	38968						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK.fx	9:30:00 AM	38969						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK.fx	11:30:00 AM	38970						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK.fx	1:30:00 PM	38971						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDCZK.fx	3:30:00 PM	38972						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK	9:30:00 AM	38973						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK	11:30:00 AM	38974						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK	1:30:00 PM	38975						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	USDDKK	3:30:00 PM	38976						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK.fx	9:30:00 AM	38977						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK.fx	11:30:00 AM	38978						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK.fx	1:30:00 PM	38979						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDDKK.fx	3:30:00 PM	38980						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD	9:30:00 AM	38981						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD	11:30:00 AM	38982						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD	1:30:00 PM	38983						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD	3:30:00 PM	38984						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD.fx	9:30:00 AM	38985						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD.fx	11:30:00 AM	38986						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD.fx	1:30:00 PM	38987						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHKD.fx	3:30:00 PM	38988						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF	9:30:00 AM	38989						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF	11:30:00 AM	38990						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF	1:30:00 PM	38991						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF	3:30:00 PM	38992						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF.fx	9:30:00 AM	38993						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF.fx	11:30:00 AM	38994						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF.fx	1:30:00 PM	38995						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDHUF.fx	3:30:00 PM	38996						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDINR	9:30:00 AM	38997						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDINR	11:30:00 AM	38998						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDINR	1:30:00 PM	38999						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDINR	3:30:00 PM	39000						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY	9:30:00 AM	39001						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY	11:30:00 AM	39002						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY	1:30:00 PM	39003						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY	3:30:00 PM	39004						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY.fx	9:30:00 AM	39005						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY.fx	11:30:00 AM	39006						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY.fx	1:30:00 PM	39007						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDJPY.fx	3:30:00 PM	39008						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDMXN	9:30:00 AM	39009						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	USDMXN	11:30:00 AM	39010						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDMXN	1:30:00 PM	39011						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDMXN	3:30:00 PM	39012						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JSDMXN.fx	9:30:00 AM	39013						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JSDMXN.fx	11:30:00 AM	39014						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JSDMXN.fx	1:30:00 PM	39015						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	JSDMXN.fx	3:30:00 PM	39016						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK	9:30:00 AM	39017						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK	11:30:00 AM	39018						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK	1:30:00 PM	39019						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK	3:30:00 PM	39020						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK.fx	9:30:00 AM	39021						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK.fx	11:30:00 AM	39022						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK.fx	1:30:00 PM	39023						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDNOK.fx	3:30:00 PM	39024						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN	9:30:00 AM	39025						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN	11:30:00 AM	39026						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN	1:30:00 PM	39027						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN	3:30:00 PM	39028						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN.fx	9:30:00 AM	39029						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN.fx	11:30:00 AM	39030						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN.fx	1:30:00 PM	39031						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDPLN.fx	3:30:00 PM	39032						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDRUB	9:30:00 AM	39033						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDRUB	11:30:00 AM	39034						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDRUB	1:30:00 PM	39035						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDRUB	3:30:00 PM	39036						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK	9:30:00 AM	39037						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK	11:30:00 AM	39038						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK	1:30:00 PM	39039						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK	3:30:00 PM	39040						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK.fx	9:30:00 AM	39041						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK.fx	11:30:00 AM	39042						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSEK.fx	1:30:00 PM	39043						Continuous Quote	N/A	ELECTRONIC	N/A

11/2/2019	USDSEK.fx	3:30:00 PM	39044						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD	9:30:00 AM	39045						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD	11:30:00 AM	39046						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD	1:30:00 PM	39047						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD	3:30:00 PM	39048						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD.fx	9:30:00 AM	39049						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD.fx	11:30:00 AM	39050						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD.fx	1:30:00 PM	39051						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDSGD.fx	3:30:00 PM	39052						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR	9:30:00 AM	39053						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR	11:30:00 AM	39054						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR	1:30:00 PM	39055						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR	3:30:00 PM	39056						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR.fx	9:30:00 AM	39057						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR.fx	11:30:00 AM	39058						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR.fx	1:30:00 PM	39059						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	USDZAR.fx	3:30:00 PM	39060						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	XAUUSD	9:30:00 AM	39061						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	XAUUSD	11:30:00 AM	39062						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	XAUUSD	1:30:00 PM	39063						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	XAUUSD	3:30:00 PM	39064						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY	9:30:00 AM	39065						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY	11:30:00 AM	39066						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY	1:30:00 PM	39067						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY	3:30:00 PM	39068						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY.fx	9:30:00 AM	39069						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY.fx	11:30:00 AM	39070						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY.fx	1:30:00 PM	39071						Continuous Quote	N/A	ELECTRONIC	N/A
11/2/2019	ZARJPY.fx	3:30:00 PM	39072						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AA	9:30:00 AM	39073						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AA	11:30:00 AM	39074						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AA	1:30:00 PM	39075						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AA	3:30:00 PM	39076						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AABA	9:30:00 AM	39077						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	#AABA	11:30:00 AM	39078						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	#AABA	1:30:00 PM	39079						Continuous Quote	N/A	ELECTRONIC	N/A
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11/3/2019	#VOD	3:30:00 PM	39488						Continuous Quote	N/A	ELECTRONIC	N/A
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11/3/2019	#WDC	3:30:00 PM	39496						Continuous Quote	N/A	ELECTRONIC	N/A
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11/3/2019	CADNOK	11:30:00 AM	39654						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CADNOK	1:30:00 PM	39655						Continuous Quote	N/A	ELECTRONIC	N/A

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11/3/2019	CHFDKK.fx	1:30:00 PM	39683						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFDKK.fx	3:30:00 PM	39684						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHKD	9:30:00 AM	39685						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHKD	11:30:00 AM	39686						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHKD	1:30:00 PM	39687						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHKD	3:30:00 PM	39688						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHUF	9:30:00 AM	39689						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	CHFHFUF	11:30:00 AM	39690						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHFUF	1:30:00 PM	39691						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFHFUF	3:30:00 PM	39692						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY	9:30:00 AM	39693						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY	11:30:00 AM	39694						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY	1:30:00 PM	39695						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY	3:30:00 PM	39696						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY.fx	9:30:00 AM	39697						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY.fx	11:30:00 AM	39698						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY.fx	1:30:00 PM	39699						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFJPY.fx	3:30:00 PM	39700						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFMXN	9:30:00 AM	39701						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFMXN	11:30:00 AM	39702						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFMXN	1:30:00 PM	39703						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFMXN	3:30:00 PM	39704						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK	9:30:00 AM	39705						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK	11:30:00 AM	39706						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK	1:30:00 PM	39707						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK	3:30:00 PM	39708						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK.fx	9:30:00 AM	39709						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK.fx	11:30:00 AM	39710						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK.fx	1:30:00 PM	39711						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFNOK.fx	3:30:00 PM	39712						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN	9:30:00 AM	39713						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN	11:30:00 AM	39714						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN	1:30:00 PM	39715						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN	3:30:00 PM	39716						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN.fx	9:30:00 AM	39717						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN.fx	11:30:00 AM	39718						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN.fx	1:30:00 PM	39719						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFPLN.fx	3:30:00 PM	39720						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSEK	9:30:00 AM	39721						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSEK	11:30:00 AM	39722						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSEK	1:30:00 PM	39723						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	CHFSEK	3:30:00 PM	39724						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD	9:30:00 AM	39725						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD	11:30:00 AM	39726						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD	1:30:00 PM	39727						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD	3:30:00 PM	39728						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD.fx	9:30:00 AM	39729						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD.fx	11:30:00 AM	39730						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD.fx	1:30:00 PM	39731						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFSGD.fx	3:30:00 PM	39732						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFZAR	9:30:00 AM	39733						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFZAR	11:30:00 AM	39734						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFZAR	1:30:00 PM	39735						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CHFZAR	3:30:00 PM	39736						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CZKJPY	9:30:00 AM	39737						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CZKJPY	11:30:00 AM	39738						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CZKJPY	1:30:00 PM	39739						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	CZKJPY	3:30:00 PM	39740						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DAX30.i	9:30:00 AM	39741						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DAX30.i	11:30:00 AM	39742						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DAX30.i	1:30:00 PM	39743						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DAX30.i	3:30:00 PM	39744						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DJ30.i	9:30:00 AM	39745						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DJ30.i	11:30:00 AM	39746						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DJ30.i	1:30:00 PM	39747						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DJ30.i	3:30:00 PM	39748						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DKKJPY	9:30:00 AM	39749						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DKKJPY	11:30:00 AM	39750						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DKKJPY	1:30:00 PM	39751						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	DKKJPY	3:30:00 PM	39752						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD	9:30:00 AM	39753						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD	11:30:00 AM	39754						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD	1:30:00 PM	39755						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD	3:30:00 PM	39756						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD.fx	9:30:00 AM	39757						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	EURAUD.fx	11:30:00 AM	39758						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD.fx	1:30:00 PM	39759						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURAUD.fx	3:30:00 PM	39760						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD	9:30:00 AM	39761						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD	11:30:00 AM	39762						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD	1:30:00 PM	39763						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD	3:30:00 PM	39764						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD.fx	9:30:00 AM	39765						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD.fx	11:30:00 AM	39766						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD.fx	1:30:00 PM	39767						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCAD.fx	3:30:00 PM	39768						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF	9:30:00 AM	39769						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF	11:30:00 AM	39770						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF	1:30:00 PM	39771						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF	3:30:00 PM	39772						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF.fx	9:30:00 AM	39773						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF.fx	11:30:00 AM	39774						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF.fx	1:30:00 PM	39775						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCHF.fx	3:30:00 PM	39776						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCZK	9:30:00 AM	39777						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCZK	11:30:00 AM	39778						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCZK	1:30:00 PM	39779						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURCZK	3:30:00 PM	39780						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURDKK	9:30:00 AM	39781						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURDKK	11:30:00 AM	39782						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURDKK	1:30:00 PM	39783						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURDKK	3:30:00 PM	39784						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP	9:30:00 AM	39785						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP	11:30:00 AM	39786						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP	1:30:00 PM	39787						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP	3:30:00 PM	39788						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP.fx	9:30:00 AM	39789						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP.fx	11:30:00 AM	39790						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURGBP.fx	1:30:00 PM	39791						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	EURGBP.fx	3:30:00 PM	39792						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD	9:30:00 AM	39793						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD	11:30:00 AM	39794						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD	1:30:00 PM	39795						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD	3:30:00 PM	39796						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD.fx	9:30:00 AM	39797						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD.fx	11:30:00 AM	39798						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD.fx	1:30:00 PM	39799						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHKD.fx	3:30:00 PM	39800						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF	9:30:00 AM	39801						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF	11:30:00 AM	39802						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF	1:30:00 PM	39803						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF	3:30:00 PM	39804						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF.fx	9:30:00 AM	39805						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF.fx	11:30:00 AM	39806						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF.fx	1:30:00 PM	39807						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURHUF.fx	3:30:00 PM	39808						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY	9:30:00 AM	39809						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY	11:30:00 AM	39810						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY	1:30:00 PM	39811						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY	3:30:00 PM	39812						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY.fx	9:30:00 AM	39813						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY.fx	11:30:00 AM	39814						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY.fx	1:30:00 PM	39815						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURJPY.fx	3:30:00 PM	39816						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN	9:30:00 AM	39817						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN	11:30:00 AM	39818						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN	1:30:00 PM	39819						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN	3:30:00 PM	39820						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN.fx	9:30:00 AM	39821						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN.fx	11:30:00 AM	39822						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN.fx	1:30:00 PM	39823						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURMXN.fx	3:30:00 PM	39824						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK	9:30:00 AM	39825						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	EURNOK	11:30:00 AM	39826						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK	1:30:00 PM	39827						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK	3:30:00 PM	39828						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK.fx	9:30:00 AM	39829						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK.fx	11:30:00 AM	39830						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK.fx	1:30:00 PM	39831						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNOK.fx	3:30:00 PM	39832						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD	9:30:00 AM	39833						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD	11:30:00 AM	39834						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD	1:30:00 PM	39835						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD	3:30:00 PM	39836						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD.fx	9:30:00 AM	39837						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD.fx	11:30:00 AM	39838						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD.fx	1:30:00 PM	39839						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURNZD.fx	3:30:00 PM	39840						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN	9:30:00 AM	39841						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN	11:30:00 AM	39842						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN	1:30:00 PM	39843						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN	3:30:00 PM	39844						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN.fx	9:30:00 AM	39845						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN.fx	11:30:00 AM	39846						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN.fx	1:30:00 PM	39847						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURPLN.fx	3:30:00 PM	39848						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURRUB	9:30:00 AM	39849						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURRUB	11:30:00 AM	39850						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURRUB	1:30:00 PM	39851						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURRUB	3:30:00 PM	39852						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK	9:30:00 AM	39853						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK	11:30:00 AM	39854						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK	1:30:00 PM	39855						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK	3:30:00 PM	39856						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK.fx	9:30:00 AM	39857						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK.fx	11:30:00 AM	39858						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSEK.fx	1:30:00 PM	39859						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	EURSEK.fx	3:30:00 PM	39860						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD	9:30:00 AM	39861						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD	11:30:00 AM	39862						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD	1:30:00 PM	39863						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD	3:30:00 PM	39864						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD.fx	9:30:00 AM	39865						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD.fx	11:30:00 AM	39866						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD.fx	1:30:00 PM	39867						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURSGD.fx	3:30:00 PM	39868						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD	9:30:00 AM	39869						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD	11:30:00 AM	39870						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD	1:30:00 PM	39871						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD	3:30:00 PM	39872						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD.fx	9:30:00 AM	39873						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD.fx	11:30:00 AM	39874						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD.fx	1:30:00 PM	39875						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURUSD.fx	3:30:00 PM	39876						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR	9:30:00 AM	39877						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR	11:30:00 AM	39878						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR	1:30:00 PM	39879						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR	3:30:00 PM	39880						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR.fx	9:30:00 AM	39881						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR.fx	11:30:00 AM	39882						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR.fx	1:30:00 PM	39883						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	EURZAR.fx	3:30:00 PM	39884						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD	9:30:00 AM	39885						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD	11:30:00 AM	39886						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD	1:30:00 PM	39887						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD	3:30:00 PM	39888						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD.fx	9:30:00 AM	39889						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD.fx	11:30:00 AM	39890						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD.fx	1:30:00 PM	39891						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPAUD.fx	3:30:00 PM	39892						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD	9:30:00 AM	39893						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	GBPCAD	11:30:00 AM	39894						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD	1:30:00 PM	39895						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD	3:30:00 PM	39896						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD.fx	9:30:00 AM	39897						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD.fx	11:30:00 AM	39898						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD.fx	1:30:00 PM	39899						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCAD.fx	3:30:00 PM	39900						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF	9:30:00 AM	39901						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF	11:30:00 AM	39902						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF	1:30:00 PM	39903						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF	3:30:00 PM	39904						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF.fx	9:30:00 AM	39905						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF.fx	11:30:00 AM	39906						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF.fx	1:30:00 PM	39907						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCHF.fx	3:30:00 PM	39908						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCZK	9:30:00 AM	39909						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCZK	11:30:00 AM	39910						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCZK	1:30:00 PM	39911						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPCZK	3:30:00 PM	39912						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK	9:30:00 AM	39913						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK	11:30:00 AM	39914						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK	1:30:00 PM	39915						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK	3:30:00 PM	39916						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK.fx	9:30:00 AM	39917						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK.fx	11:30:00 AM	39918						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK.fx	1:30:00 PM	39919						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPDKK.fx	3:30:00 PM	39920						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHKD	9:30:00 AM	39921						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHKD	11:30:00 AM	39922						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHKD	1:30:00 PM	39923						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHKD	3:30:00 PM	39924						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHUF	9:30:00 AM	39925						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHUF	11:30:00 AM	39926						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPHUF	1:30:00 PM	39927						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	GBPHUF	3:30:00 PM	39928						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY	9:30:00 AM	39929						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY	11:30:00 AM	39930						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY	1:30:00 PM	39931						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY	3:30:00 PM	39932						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY.fx	9:30:00 AM	39933						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY.fx	11:30:00 AM	39934						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY.fx	1:30:00 PM	39935						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPJPY.fx	3:30:00 PM	39936						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPMXN	9:30:00 AM	39937						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPMXN	11:30:00 AM	39938						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPMXN	1:30:00 PM	39939						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPMXN	3:30:00 PM	39940						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK	9:30:00 AM	39941						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK	11:30:00 AM	39942						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK	1:30:00 PM	39943						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK	3:30:00 PM	39944						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK.fx	9:30:00 AM	39945						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK.fx	11:30:00 AM	39946						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK.fx	1:30:00 PM	39947						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNOK.fx	3:30:00 PM	39948						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD	9:30:00 AM	39949						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD	11:30:00 AM	39950						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD	1:30:00 PM	39951						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD	3:30:00 PM	39952						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD.fx	9:30:00 AM	39953						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD.fx	11:30:00 AM	39954						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD.fx	1:30:00 PM	39955						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPNZD.fx	3:30:00 PM	39956						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN	9:30:00 AM	39957						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN	11:30:00 AM	39958						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN	1:30:00 PM	39959						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN	3:30:00 PM	39960						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN.fx	9:30:00 AM	39961						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	GBPPLN.fx	11:30:00 AM	39962						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN.fx	1:30:00 PM	39963						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPPLN.fx	3:30:00 PM	39964						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK	9:30:00 AM	39965						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK	11:30:00 AM	39966						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK	1:30:00 PM	39967						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK	3:30:00 PM	39968						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK.fx	9:30:00 AM	39969						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK.fx	11:30:00 AM	39970						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK.fx	1:30:00 PM	39971						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSEK.fx	3:30:00 PM	39972						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD	9:30:00 AM	39973						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD	11:30:00 AM	39974						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD	1:30:00 PM	39975						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD	3:30:00 PM	39976						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD.fx	9:30:00 AM	39977						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD.fx	11:30:00 AM	39978						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD.fx	1:30:00 PM	39979						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPSGD.fx	3:30:00 PM	39980						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD	9:30:00 AM	39981						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD	11:30:00 AM	39982						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD	1:30:00 PM	39983						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD	3:30:00 PM	39984						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD.fx	9:30:00 AM	39985						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD.fx	11:30:00 AM	39986						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD.fx	1:30:00 PM	39987						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPUSD.fx	3:30:00 PM	39988						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR	9:30:00 AM	39989						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR	11:30:00 AM	39990						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR	1:30:00 PM	39991						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR	3:30:00 PM	39992						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR.fx	9:30:00 AM	39993						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR.fx	11:30:00 AM	39994						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GBPZAR.fx	1:30:00 PM	39995						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	GBPZAR.fx	3:30:00 PM	39996						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GOLD	9:30:00 AM	39997						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GOLD	11:30:00 AM	39998						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GOLD	1:30:00 PM	39999						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	GOLD	3:30:00 PM	40000						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY	9:30:00 AM	40001						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY	11:30:00 AM	40002						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY	1:30:00 PM	40003						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY	3:30:00 PM	40004						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY.fx	9:30:00 AM	40005						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY.fx	11:30:00 AM	40006						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY.fx	1:30:00 PM	40007						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HKDJPY.fx	3:30:00 PM	40008						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HUFJPY	9:30:00 AM	40009						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HUFJPY	11:30:00 AM	40010						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HUFJPY	1:30:00 PM	40011						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	HUFJPY	3:30:00 PM	40012						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JP225.i	9:30:00 AM	40013						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JP225.i	11:30:00 AM	40014						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JP225.i	1:30:00 PM	40015						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JP225.i	3:30:00 PM	40016						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	MXNJPY	9:30:00 AM	40017						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	MXNJPY	11:30:00 AM	40018						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	MXNJPY	1:30:00 PM	40019						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	MXNJPY	3:30:00 PM	40020						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NASDAQ.i	9:30:00 AM	40021						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NASDAQ.i	11:30:00 AM	40022						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NASDAQ.i	1:30:00 PM	40023						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NASDAQ.i	3:30:00 PM	40024						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY	9:30:00 AM	40025						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY	11:30:00 AM	40026						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY	1:30:00 PM	40027						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY	3:30:00 PM	40028						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY.fx	9:30:00 AM	40029						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	NOKJPY.fx	11:30:00 AM	40030						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY.fx	1:30:00 PM	40031						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NOKJPY.fx	3:30:00 PM	40032						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD	9:30:00 AM	40033						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD	11:30:00 AM	40034						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD	1:30:00 PM	40035						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD	3:30:00 PM	40036						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD.fx	9:30:00 AM	40037						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD.fx	11:30:00 AM	40038						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD.fx	1:30:00 PM	40039						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCAD.fx	3:30:00 PM	40040						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF	9:30:00 AM	40041						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF	11:30:00 AM	40042						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF	1:30:00 PM	40043						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF	3:30:00 PM	40044						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF.fx	9:30:00 AM	40045						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF.fx	11:30:00 AM	40046						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF.fx	1:30:00 PM	40047						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCHF.fx	3:30:00 PM	40048						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCZK	9:30:00 AM	40049						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCZK	11:30:00 AM	40050						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCZK	1:30:00 PM	40051						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDCZK	3:30:00 PM	40052						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDDKK	9:30:00 AM	40053						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDDKK	11:30:00 AM	40054						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDDKK	1:30:00 PM	40055						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDDKK	3:30:00 PM	40056						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHKD	9:30:00 AM	40057						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHKD	11:30:00 AM	40058						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHKD	1:30:00 PM	40059						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHKD	3:30:00 PM	40060						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHUF	9:30:00 AM	40061						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHUF	11:30:00 AM	40062						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDHUF	1:30:00 PM	40063						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	NZDHUF	3:30:00 PM	40064						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY	9:30:00 AM	40065						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY	11:30:00 AM	40066						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY	1:30:00 PM	40067						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY	3:30:00 PM	40068						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY.fx	9:30:00 AM	40069						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY.fx	11:30:00 AM	40070						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY.fx	1:30:00 PM	40071						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDJPY.fx	3:30:00 PM	40072						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDMXN	9:30:00 AM	40073						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDMXN	11:30:00 AM	40074						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDMXN	1:30:00 PM	40075						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDMXN	3:30:00 PM	40076						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDNOK	9:30:00 AM	40077						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDNOK	11:30:00 AM	40078						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDNOK	1:30:00 PM	40079						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDNOK	3:30:00 PM	40080						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDPLN	9:30:00 AM	40081						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDPLN	11:30:00 AM	40082						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDPLN	1:30:00 PM	40083						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDPLN	3:30:00 PM	40084						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSEK	9:30:00 AM	40085						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSEK	11:30:00 AM	40086						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSEK	1:30:00 PM	40087						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSEK	3:30:00 PM	40088						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD	9:30:00 AM	40089						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD	11:30:00 AM	40090						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD	1:30:00 PM	40091						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD	3:30:00 PM	40092						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD.fx	9:30:00 AM	40093						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD.fx	11:30:00 AM	40094						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD.fx	1:30:00 PM	40095						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDSGD.fx	3:30:00 PM	40096						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD	9:30:00 AM	40097						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	NZDUSD	11:30:00 AM	40098						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD	1:30:00 PM	40099						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD	3:30:00 PM	40100						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD.fx	9:30:00 AM	40101						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD.fx	11:30:00 AM	40102						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD.fx	1:30:00 PM	40103						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDUSD.fx	3:30:00 PM	40104						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDZAR	9:30:00 AM	40105						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDZAR	11:30:00 AM	40106						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDZAR	1:30:00 PM	40107						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	NZDZAR	3:30:00 PM	40108						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY	9:30:00 AM	40109						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY	11:30:00 AM	40110						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY	1:30:00 PM	40111						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY	3:30:00 PM	40112						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY.fx	9:30:00 AM	40113						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY.fx	11:30:00 AM	40114						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY.fx	1:30:00 PM	40115						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SEKJPY.fx	3:30:00 PM	40116						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SGDJPY	9:30:00 AM	40117						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SGDJPY	11:30:00 AM	40118						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SGDJPY	1:30:00 PM	40119						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SGDJPY	3:30:00 PM	40120						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SILVER	9:30:00 AM	40121						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SILVER	11:30:00 AM	40122						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SILVER	1:30:00 PM	40123						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SILVER	3:30:00 PM	40124						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SPX500.i	9:30:00 AM	40125						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SPX500.i	11:30:00 AM	40126						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SPX500.i	1:30:00 PM	40127						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	SPX500.i	3:30:00 PM	40128						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	UK100.i	9:30:00 AM	40129						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	UK100.i	11:30:00 AM	40130						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	UK100.i	1:30:00 PM	40131						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	UK100.i	3:30:00 PM	40132						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD	9:30:00 AM	40133						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD	11:30:00 AM	40134						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD	1:30:00 PM	40135						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD	3:30:00 PM	40136						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD.fx	9:30:00 AM	40137						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD.fx	11:30:00 AM	40138						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD.fx	1:30:00 PM	40139						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCAD.fx	3:30:00 PM	40140						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF	9:30:00 AM	40141						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF	11:30:00 AM	40142						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF	1:30:00 PM	40143						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF	3:30:00 PM	40144						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF.fx	9:30:00 AM	40145						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF.fx	11:30:00 AM	40146						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF.fx	1:30:00 PM	40147						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCHF.fx	3:30:00 PM	40148						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK	9:30:00 AM	40149						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK	11:30:00 AM	40150						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK	1:30:00 PM	40151						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK	3:30:00 PM	40152						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK.fx	9:30:00 AM	40153						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK.fx	11:30:00 AM	40154						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK.fx	1:30:00 PM	40155						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDCZK.fx	3:30:00 PM	40156						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK	9:30:00 AM	40157						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK	11:30:00 AM	40158						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK	1:30:00 PM	40159						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK	3:30:00 PM	40160						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK.fx	9:30:00 AM	40161						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK.fx	11:30:00 AM	40162						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK.fx	1:30:00 PM	40163						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDDKK.fx	3:30:00 PM	40164						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD	9:30:00 AM	40165						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	USDHKD	11:30:00 AM	40166						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD	1:30:00 PM	40167						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD	3:30:00 PM	40168						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD.fx	9:30:00 AM	40169						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD.fx	11:30:00 AM	40170						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD.fx	1:30:00 PM	40171						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHKD.fx	3:30:00 PM	40172						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF	9:30:00 AM	40173						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF	11:30:00 AM	40174						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF	1:30:00 PM	40175						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF	3:30:00 PM	40176						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF.fx	9:30:00 AM	40177						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF.fx	11:30:00 AM	40178						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF.fx	1:30:00 PM	40179						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDHUF.fx	3:30:00 PM	40180						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDINR	9:30:00 AM	40181						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDINR	11:30:00 AM	40182						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDINR	1:30:00 PM	40183						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDINR	3:30:00 PM	40184						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY	9:30:00 AM	40185						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY	11:30:00 AM	40186						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY	1:30:00 PM	40187						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY	3:30:00 PM	40188						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY.fx	9:30:00 AM	40189						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY.fx	11:30:00 AM	40190						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY.fx	1:30:00 PM	40191						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDJPY.fx	3:30:00 PM	40192						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDMXN	9:30:00 AM	40193						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDMXN	11:30:00 AM	40194						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDMXN	1:30:00 PM	40195						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDMXN	3:30:00 PM	40196						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JSDMXN.fx	9:30:00 AM	40197						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JSDMXN.fx	11:30:00 AM	40198						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	JSDMXN.fx	1:30:00 PM	40199						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	USDMXN.fx	3:30:00 PM	40200						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK	9:30:00 AM	40201						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK	11:30:00 AM	40202						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK	1:30:00 PM	40203						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK	3:30:00 PM	40204						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK.fx	9:30:00 AM	40205						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK.fx	11:30:00 AM	40206						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK.fx	1:30:00 PM	40207						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDNOK.fx	3:30:00 PM	40208						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN	9:30:00 AM	40209						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN	11:30:00 AM	40210						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN	1:30:00 PM	40211						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN	3:30:00 PM	40212						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN.fx	9:30:00 AM	40213						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN.fx	11:30:00 AM	40214						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN.fx	1:30:00 PM	40215						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDPLN.fx	3:30:00 PM	40216						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDRUB	9:30:00 AM	40217						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDRUB	11:30:00 AM	40218						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDRUB	1:30:00 PM	40219						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDRUB	3:30:00 PM	40220						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK	9:30:00 AM	40221						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK	11:30:00 AM	40222						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK	1:30:00 PM	40223						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK	3:30:00 PM	40224						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK.fx	9:30:00 AM	40225						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK.fx	11:30:00 AM	40226						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK.fx	1:30:00 PM	40227						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSEK.fx	3:30:00 PM	40228						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD	9:30:00 AM	40229						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD	11:30:00 AM	40230						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD	1:30:00 PM	40231						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD	3:30:00 PM	40232						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD.fx	9:30:00 AM	40233						Continuous Quote	N/A	ELECTRONIC	N/A

11/3/2019	USDSGD.fx	11:30:00 AM	40234						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD.fx	1:30:00 PM	40235						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDSGD.fx	3:30:00 PM	40236						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR	9:30:00 AM	40237						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR	11:30:00 AM	40238						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR	1:30:00 PM	40239						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR	3:30:00 PM	40240						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR.fx	9:30:00 AM	40241						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR.fx	11:30:00 AM	40242						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR.fx	1:30:00 PM	40243						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	USDZAR.fx	3:30:00 PM	40244						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	XAUUSD	9:30:00 AM	40245						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	XAUUSD	11:30:00 AM	40246						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	XAUUSD	1:30:00 PM	40247						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	XAUUSD	3:30:00 PM	40248						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY	9:30:00 AM	40249						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY	11:30:00 AM	40250						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY	1:30:00 PM	40251						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY	3:30:00 PM	40252						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY.fx	9:30:00 AM	40253						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY.fx	11:30:00 AM	40254						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY.fx	1:30:00 PM	40255						Continuous Quote	N/A	ELECTRONIC	N/A
11/3/2019	ZARJPY.fx	3:30:00 PM	40256						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AA	9:30:00 AM	40257						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AA	11:30:00 AM	40258						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AA	1:30:00 PM	40259						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AA	3:30:00 PM	40260						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AABA	9:30:00 AM	40261						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AABA	11:30:00 AM	40262						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AABA	1:30:00 PM	40263						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AABA	3:30:00 PM	40264						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AAL	9:30:00 AM	40265						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AAL	11:30:00 AM	40266						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#AAL	1:30:00 PM	40267						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	#AAL	3:30:00 PM	40268						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#LNKD	3:30:00 PM	40496						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#MA	1:30:00 PM	40499						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#MS	11:30:00 AM	40534						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#MS	1:30:00 PM	40535						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#MS	3:30:00 PM	40536						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#NFLX	3:30:00 PM	40548						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#NG.f	3:30:00 PM	40552						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	#VOD	3:30:00 PM	40672						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#VZ	9:30:00 AM	40673						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#VZ	11:30:00 AM	40674						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#VZ	1:30:00 PM	40675						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	#VZ	3:30:00 PM	40676						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WDC	9:30:00 AM	40677						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WDC	11:30:00 AM	40678						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WDC	1:30:00 PM	40679						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WDC	3:30:00 PM	40680						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WFC	9:30:00 AM	40681						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WFC	11:30:00 AM	40682						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WFC	1:30:00 PM	40683						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WFC	3:30:00 PM	40684						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WMT	9:30:00 AM	40685						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WMT	11:30:00 AM	40686						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WMT	1:30:00 PM	40687						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#WMT	3:30:00 PM	40688						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#XOM	9:30:00 AM	40689						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#XOM	11:30:00 AM	40690						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#XOM	1:30:00 PM	40691						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#XOM	3:30:00 PM	40692						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#YHOO	9:30:00 AM	40693						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#YHOO	11:30:00 AM	40694						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#YHOO	1:30:00 PM	40695						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#YHOO	3:30:00 PM	40696						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#ZNGA	9:30:00 AM	40697						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#ZNGA	11:30:00 AM	40698						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#ZNGA	1:30:00 PM	40699						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	#ZNGA	3:30:00 PM	40700						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDCAD	11:30:00 AM	40702						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD	1:30:00 PM	40703						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD	3:30:00 PM	40704						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD.fx	9:30:00 AM	40705						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD.fx	11:30:00 AM	40706						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD.fx	1:30:00 PM	40707						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCAD.fx	3:30:00 PM	40708						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCHF	9:30:00 AM	40709						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	AUDCHF	11:30:00 AM	40710						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDCHF	3:30:00 PM	40712						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCHF.fx	9:30:00 AM	40713						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCHF.fx	11:30:00 AM	40714						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCHF.fx	1:30:00 PM	40715						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCHF.fx	3:30:00 PM	40716						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCZK	9:30:00 AM	40717						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCZK	11:30:00 AM	40718						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCZK	1:30:00 PM	40719						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDCZK	3:30:00 PM	40720						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDDKK	9:30:00 AM	40721						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDDKK	11:30:00 AM	40722						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDDKK	1:30:00 PM	40723						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDDKK	3:30:00 PM	40724						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHKD	9:30:00 AM	40725						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHKD	11:30:00 AM	40726						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHKD	1:30:00 PM	40727						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHKD	3:30:00 PM	40728						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHUF	9:30:00 AM	40729						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHUF	11:30:00 AM	40730						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHUF	1:30:00 PM	40731						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDHUF	3:30:00 PM	40732						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY	9:30:00 AM	40733						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY	11:30:00 AM	40734						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY	1:30:00 PM	40735						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY	3:30:00 PM	40736						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY.fx	9:30:00 AM	40737						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY.fx	11:30:00 AM	40738						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY.fx	1:30:00 PM	40739						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDJPY.fx	3:30:00 PM	40740						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDMXN	9:30:00 AM	40741						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDMXN	11:30:00 AM	40742						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDMXN	1:30:00 PM	40743						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	AUDMXN	3:30:00 PM	40744						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK	9:30:00 AM	40745						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK	11:30:00 AM	40746						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK	1:30:00 PM	40747						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK	3:30:00 PM	40748						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK.fx	9:30:00 AM	40749						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK.fx	11:30:00 AM	40750						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK.fx	1:30:00 PM	40751						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNOK.fx	3:30:00 PM	40752						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDNZD	11:30:00 AM	40754						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNZD	1:30:00 PM	40755						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNZD	3:30:00 PM	40756						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNZD.fx	9:30:00 AM	40757						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNZD.fx	11:30:00 AM	40758						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDNZD.fx	1:30:00 PM	40759						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDSEK	9:30:00 AM	40765						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSEK	11:30:00 AM	40766						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSEK	1:30:00 PM	40767						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSEK	3:30:00 PM	40768						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSEK.fx	9:30:00 AM	40769						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSEK.fx	11:30:00 AM	40770						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDSEK.fx	3:30:00 PM	40772						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSGD	9:30:00 AM	40773						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSGD	11:30:00 AM	40774						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSGD	1:30:00 PM	40775						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSGD	3:30:00 PM	40776						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDSGD.fx	9:30:00 AM	40777						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	AUDSGD.fx	11:30:00 AM	40778						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDSGD.fx	3:30:00 PM	40780						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDUSD	11:30:00 AM	40782						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDUSD	1:30:00 PM	40783						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUDUSD	3:30:00 PM	40784						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDUSD.fx	11:30:00 AM	40786						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDZAR	11:30:00 AM	40790						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUDZAR	3:30:00 PM	40792						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	AUS200.i	1:30:00 PM	40795						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	AUS200.i	3:30:00 PM	40796						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	BCHUSD	9:30:00 AM	40797						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	BCHUSD	11:30:00 AM	40798						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	BCHUSD	1:30:00 PM	40799						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	BCHUSD	3:30:00 PM	40800						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF	9:30:00 AM	40801						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF	11:30:00 AM	40802						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF	1:30:00 PM	40803						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF	3:30:00 PM	40804						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF.fx	9:30:00 AM	40805						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF.fx	11:30:00 AM	40806						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF.fx	1:30:00 PM	40807						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCHF.fx	3:30:00 PM	40808						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCZK	9:30:00 AM	40809						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCZK	11:30:00 AM	40810						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADCZK	1:30:00 PM	40811						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	CADCZK	3:30:00 PM	40812						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADDDK	9:30:00 AM	40813						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADDDK	11:30:00 AM	40814						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADDDK	1:30:00 PM	40815						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADDDK	3:30:00 PM	40816						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHKD	9:30:00 AM	40817						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHKD	11:30:00 AM	40818						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHKD	1:30:00 PM	40819						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHKD	3:30:00 PM	40820						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHUF	9:30:00 AM	40821						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHUF	11:30:00 AM	40822						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHUF	1:30:00 PM	40823						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADHUF	3:30:00 PM	40824						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CADJPY	11:30:00 AM	40826						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADJPY	1:30:00 PM	40827						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADJPY	3:30:00 PM	40828						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CADJPY.fx	11:30:00 AM	40830						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADJPY.fx	1:30:00 PM	40831						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADJPY.fx	3:30:00 PM	40832						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADMXN	9:30:00 AM	40833						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADMXN	11:30:00 AM	40834						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADMXN	1:30:00 PM	40835						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADMXN	3:30:00 PM	40836						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADNOK	9:30:00 AM	40837						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADNOK	11:30:00 AM	40838						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADNOK	1:30:00 PM	40839						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CADPLN	9:30:00 AM	40841						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CADPLN	1:30:00 PM	40843						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADPLN	3:30:00 PM	40844						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSEK	9:30:00 AM	40845						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	CADSEK	11:30:00 AM	40846						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSEK	1:30:00 PM	40847						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSEK	3:30:00 PM	40848						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSGD	9:30:00 AM	40849						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSGD	11:30:00 AM	40850						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSGD	1:30:00 PM	40851						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADSGD	3:30:00 PM	40852						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADZAR	9:30:00 AM	40853						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CADZAR	11:30:00 AM	40854						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CADZAR	3:30:00 PM	40856						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFCZK	9:30:00 AM	40857						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFCZK	11:30:00 AM	40858						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFCZK	1:30:00 PM	40859						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFCZK	3:30:00 PM	40860						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFDKK	9:30:00 AM	40861						Continuous Quote	N/A	ELECTRONIC	N/A
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11/4/2019	CHFDKK	3:30:00 PM	40864						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFDKK.fx	9:30:00 AM	40865						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFDKK.fx	11:30:00 AM	40866						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFDKK.fx	1:30:00 PM	40867						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFDKK.fx	3:30:00 PM	40868						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHKD	9:30:00 AM	40869						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHKD	11:30:00 AM	40870						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHKD	1:30:00 PM	40871						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHKD	3:30:00 PM	40872						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHUF	9:30:00 AM	40873						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHUF	11:30:00 AM	40874						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHUF	1:30:00 PM	40875						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFHUF	3:30:00 PM	40876						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY	9:30:00 AM	40877						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY	11:30:00 AM	40878						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY	1:30:00 PM	40879						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	CHFJPY	3:30:00 PM	40880						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY.fx	9:30:00 AM	40881						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY.fx	11:30:00 AM	40882						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY.fx	1:30:00 PM	40883						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFJPY.fx	3:30:00 PM	40884						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFMXN	9:30:00 AM	40885						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFMXN	11:30:00 AM	40886						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFMXN	1:30:00 PM	40887						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFMXN	3:30:00 PM	40888						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK	9:30:00 AM	40889						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK	11:30:00 AM	40890						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK	1:30:00 PM	40891						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK	3:30:00 PM	40892						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK.fx	9:30:00 AM	40893						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK.fx	11:30:00 AM	40894						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK.fx	1:30:00 PM	40895						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFNOK.fx	3:30:00 PM	40896						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN	9:30:00 AM	40897						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN	11:30:00 AM	40898						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN	1:30:00 PM	40899						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN	3:30:00 PM	40900						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN.fx	9:30:00 AM	40901						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN.fx	11:30:00 AM	40902						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN.fx	1:30:00 PM	40903						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFPLN.fx	3:30:00 PM	40904						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSEK	9:30:00 AM	40905						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSEK	11:30:00 AM	40906						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSEK	1:30:00 PM	40907						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSEK	3:30:00 PM	40908						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD	9:30:00 AM	40909						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD	11:30:00 AM	40910						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD	1:30:00 PM	40911						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD	3:30:00 PM	40912						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD.fx	9:30:00 AM	40913						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	CHFSGD.fx	11:30:00 AM	40914						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD.fx	1:30:00 PM	40915						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFSGD.fx	3:30:00 PM	40916						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFZAR	9:30:00 AM	40917						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFZAR	11:30:00 AM	40918						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFZAR	1:30:00 PM	40919						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CHFZAR	3:30:00 PM	40920						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CZKJPY	9:30:00 AM	40921						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CZKJPY	11:30:00 AM	40922						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CZKJPY	1:30:00 PM	40923						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	CZKJPY	3:30:00 PM	40924						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DAX30.i	9:30:00 AM	40925						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DAX30.i	11:30:00 AM	40926						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DAX30.i	1:30:00 PM	40927						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DAX30.i	3:30:00 PM	40928						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DJ30.i	9:30:00 AM	40929						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DJ30.i	11:30:00 AM	40930						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DJ30.i	1:30:00 PM	40931						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DJ30.i	3:30:00 PM	40932						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DKKJPY	9:30:00 AM	40933						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DKKJPY	11:30:00 AM	40934						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DKKJPY	1:30:00 PM	40935						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	DKKJPY	3:30:00 PM	40936						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD	9:30:00 AM	40937						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD	11:30:00 AM	40938						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD	1:30:00 PM	40939						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD	3:30:00 PM	40940						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD.fx	9:30:00 AM	40941						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD.fx	11:30:00 AM	40942						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD.fx	1:30:00 PM	40943						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURAUD.fx	3:30:00 PM	40944						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD	9:30:00 AM	40945						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD	11:30:00 AM	40946						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD	1:30:00 PM	40947						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	EURCAD	3:30:00 PM	40948						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD.fx	9:30:00 AM	40949						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD.fx	11:30:00 AM	40950						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD.fx	1:30:00 PM	40951						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCAD.fx	3:30:00 PM	40952						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF	9:30:00 AM	40953						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF	11:30:00 AM	40954						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF	1:30:00 PM	40955						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF	3:30:00 PM	40956						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF.fx	9:30:00 AM	40957						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF.fx	11:30:00 AM	40958						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF.fx	1:30:00 PM	40959						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCHF.fx	3:30:00 PM	40960						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCZK	9:30:00 AM	40961						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCZK	11:30:00 AM	40962						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCZK	1:30:00 PM	40963						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURCZK	3:30:00 PM	40964						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURDKK	9:30:00 AM	40965						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURDKK	11:30:00 AM	40966						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURDKK	1:30:00 PM	40967						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURDKK	3:30:00 PM	40968						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP	9:30:00 AM	40969						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP	11:30:00 AM	40970						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP	1:30:00 PM	40971						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP	3:30:00 PM	40972						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP.fx	9:30:00 AM	40973						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP.fx	11:30:00 AM	40974						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP.fx	1:30:00 PM	40975						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURGBP.fx	3:30:00 PM	40976						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD	9:30:00 AM	40977						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD	11:30:00 AM	40978						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD	1:30:00 PM	40979						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD	3:30:00 PM	40980						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD.fx	9:30:00 AM	40981						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	EURHKD.fx	11:30:00 AM	40982						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD.fx	1:30:00 PM	40983						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHKD.fx	3:30:00 PM	40984						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF	9:30:00 AM	40985						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF	11:30:00 AM	40986						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF	1:30:00 PM	40987						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF	3:30:00 PM	40988						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF.fx	9:30:00 AM	40989						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF.fx	11:30:00 AM	40990						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF.fx	1:30:00 PM	40991						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURHUF.fx	3:30:00 PM	40992						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY	9:30:00 AM	40993						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY	11:30:00 AM	40994						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY	1:30:00 PM	40995						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY	3:30:00 PM	40996						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY.fx	9:30:00 AM	40997						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY.fx	11:30:00 AM	40998						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY.fx	1:30:00 PM	40999						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURJPY.fx	3:30:00 PM	41000						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN	9:30:00 AM	41001						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN	11:30:00 AM	41002						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN	1:30:00 PM	41003						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN	3:30:00 PM	41004						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN.fx	9:30:00 AM	41005						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN.fx	11:30:00 AM	41006						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN.fx	1:30:00 PM	41007						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURMXN.fx	3:30:00 PM	41008						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK	9:30:00 AM	41009						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK	11:30:00 AM	41010						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK	1:30:00 PM	41011						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK	3:30:00 PM	41012						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK.fx	9:30:00 AM	41013						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK.fx	11:30:00 AM	41014						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNOK.fx	1:30:00 PM	41015						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	EURNOK.fx	3:30:00 PM	41016						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD	9:30:00 AM	41017						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD	11:30:00 AM	41018						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD	1:30:00 PM	41019						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD	3:30:00 PM	41020						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD.fx	9:30:00 AM	41021						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD.fx	11:30:00 AM	41022						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD.fx	1:30:00 PM	41023						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURNZD.fx	3:30:00 PM	41024						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN	9:30:00 AM	41025						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN	11:30:00 AM	41026						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN	1:30:00 PM	41027						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN	3:30:00 PM	41028						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN.fx	9:30:00 AM	41029						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN.fx	11:30:00 AM	41030						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN.fx	1:30:00 PM	41031						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURPLN.fx	3:30:00 PM	41032						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURRUB	9:30:00 AM	41033						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURRUB	11:30:00 AM	41034						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURRUB	1:30:00 PM	41035						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURRUB	3:30:00 PM	41036						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK	9:30:00 AM	41037						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK	11:30:00 AM	41038						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK	1:30:00 PM	41039						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK	3:30:00 PM	41040						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK.fx	9:30:00 AM	41041						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK.fx	11:30:00 AM	41042						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK.fx	1:30:00 PM	41043						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSEK.fx	3:30:00 PM	41044						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD	9:30:00 AM	41045						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD	11:30:00 AM	41046						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD	1:30:00 PM	41047						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD	3:30:00 PM	41048						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD.fx	9:30:00 AM	41049						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	EURSGD.fx	11:30:00 AM	41050						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD.fx	1:30:00 PM	41051						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURSGD.fx	3:30:00 PM	41052						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD	9:30:00 AM	41053						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD	11:30:00 AM	41054						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD	1:30:00 PM	41055						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD	3:30:00 PM	41056						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD.fx	9:30:00 AM	41057						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD.fx	11:30:00 AM	41058						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD.fx	1:30:00 PM	41059						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURUSD.fx	3:30:00 PM	41060						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR	9:30:00 AM	41061						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR	11:30:00 AM	41062						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR	1:30:00 PM	41063						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR	3:30:00 PM	41064						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR.fx	9:30:00 AM	41065						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR.fx	11:30:00 AM	41066						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR.fx	1:30:00 PM	41067						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	EURZAR.fx	3:30:00 PM	41068						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD	9:30:00 AM	41069						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD	11:30:00 AM	41070						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD	1:30:00 PM	41071						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD	3:30:00 PM	41072						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD.fx	9:30:00 AM	41073						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD.fx	11:30:00 AM	41074						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD.fx	1:30:00 PM	41075						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPAUD.fx	3:30:00 PM	41076						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD	9:30:00 AM	41077						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD	11:30:00 AM	41078						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD	1:30:00 PM	41079						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD	3:30:00 PM	41080						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD.fx	9:30:00 AM	41081						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD.fx	11:30:00 AM	41082						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCAD.fx	1:30:00 PM	41083						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	GBPCAD.fx	3:30:00 PM	41084						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF	9:30:00 AM	41085						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF	11:30:00 AM	41086						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF	1:30:00 PM	41087						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF	3:30:00 PM	41088						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF.fx	9:30:00 AM	41089						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF.fx	11:30:00 AM	41090						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF.fx	1:30:00 PM	41091						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCHF.fx	3:30:00 PM	41092						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCZK	9:30:00 AM	41093						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCZK	11:30:00 AM	41094						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCZK	1:30:00 PM	41095						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPCZK	3:30:00 PM	41096						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK	9:30:00 AM	41097						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK	11:30:00 AM	41098						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK	1:30:00 PM	41099						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK	3:30:00 PM	41100						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK.fx	9:30:00 AM	41101						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK.fx	11:30:00 AM	41102						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK.fx	1:30:00 PM	41103						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPDKK.fx	3:30:00 PM	41104						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHKD	9:30:00 AM	41105						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHKD	11:30:00 AM	41106						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHKD	1:30:00 PM	41107						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHKD	3:30:00 PM	41108						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHUF	9:30:00 AM	41109						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHUF	11:30:00 AM	41110						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHUF	1:30:00 PM	41111						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPHUF	3:30:00 PM	41112						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY	9:30:00 AM	41113						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY	11:30:00 AM	41114						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY	1:30:00 PM	41115						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY	3:30:00 PM	41116						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY.fx	9:30:00 AM	41117						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	GBPJPY.fx	11:30:00 AM	41118						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY.fx	1:30:00 PM	41119						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPJPY.fx	3:30:00 PM	41120						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPMXN	9:30:00 AM	41121						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPMXN	11:30:00 AM	41122						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPMXN	1:30:00 PM	41123						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPMXN	3:30:00 PM	41124						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK	9:30:00 AM	41125						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK	11:30:00 AM	41126						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK	1:30:00 PM	41127						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK	3:30:00 PM	41128						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK.fx	9:30:00 AM	41129						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK.fx	11:30:00 AM	41130						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK.fx	1:30:00 PM	41131						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNOK.fx	3:30:00 PM	41132						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD	9:30:00 AM	41133						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD	11:30:00 AM	41134						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD	1:30:00 PM	41135						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD	3:30:00 PM	41136						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD.fx	9:30:00 AM	41137						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD.fx	11:30:00 AM	41138						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD.fx	1:30:00 PM	41139						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPNZD.fx	3:30:00 PM	41140						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN	9:30:00 AM	41141						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN	11:30:00 AM	41142						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN	1:30:00 PM	41143						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN	3:30:00 PM	41144						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN.fx	9:30:00 AM	41145						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN.fx	11:30:00 AM	41146						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN.fx	1:30:00 PM	41147						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPPLN.fx	3:30:00 PM	41148						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK	9:30:00 AM	41149						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK	11:30:00 AM	41150						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK	1:30:00 PM	41151						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	GBPSEK	3:30:00 PM	41152						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK.fx	9:30:00 AM	41153						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK.fx	11:30:00 AM	41154						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK.fx	1:30:00 PM	41155						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSEK.fx	3:30:00 PM	41156						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD	9:30:00 AM	41157						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD	11:30:00 AM	41158						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD	1:30:00 PM	41159						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD	3:30:00 PM	41160						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD.fx	9:30:00 AM	41161						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD.fx	11:30:00 AM	41162						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD.fx	1:30:00 PM	41163						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPSGD.fx	3:30:00 PM	41164						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD	9:30:00 AM	41165						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD	11:30:00 AM	41166						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD	1:30:00 PM	41167						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD	3:30:00 PM	41168						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD.fx	9:30:00 AM	41169						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD.fx	11:30:00 AM	41170						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD.fx	1:30:00 PM	41171						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPUSD.fx	3:30:00 PM	41172						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR	9:30:00 AM	41173						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR	11:30:00 AM	41174						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR	1:30:00 PM	41175						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR	3:30:00 PM	41176						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR.fx	9:30:00 AM	41177						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR.fx	11:30:00 AM	41178						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR.fx	1:30:00 PM	41179						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GBPZAR.fx	3:30:00 PM	41180						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GOLD	9:30:00 AM	41181						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GOLD	11:30:00 AM	41182						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GOLD	1:30:00 PM	41183						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	GOLD	3:30:00 PM	41184						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY	9:30:00 AM	41185						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	HKDJPY	11:30:00 AM	41186						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY	1:30:00 PM	41187						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY	3:30:00 PM	41188						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY.fx	9:30:00 AM	41189						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY.fx	11:30:00 AM	41190						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY.fx	1:30:00 PM	41191						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HKDJPY.fx	3:30:00 PM	41192						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HUFJPY	9:30:00 AM	41193						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HUFJPY	11:30:00 AM	41194						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HUFJPY	1:30:00 PM	41195						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	HUFJPY	3:30:00 PM	41196						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JP225.i	9:30:00 AM	41197						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JP225.i	11:30:00 AM	41198						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JP225.i	1:30:00 PM	41199						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JP225.i	3:30:00 PM	41200						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	MXNJPY	9:30:00 AM	41201						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	MXNJPY	11:30:00 AM	41202						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	MXNJPY	1:30:00 PM	41203						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	MXNJPY	3:30:00 PM	41204						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NASDAQ.i	9:30:00 AM	41205						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NASDAQ.i	11:30:00 AM	41206						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NASDAQ.i	1:30:00 PM	41207						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NASDAQ.i	3:30:00 PM	41208						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY	9:30:00 AM	41209						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY	11:30:00 AM	41210						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY	1:30:00 PM	41211						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY	3:30:00 PM	41212						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY.fx	9:30:00 AM	41213						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY.fx	11:30:00 AM	41214						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY.fx	1:30:00 PM	41215						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NOKJPY.fx	3:30:00 PM	41216						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD	9:30:00 AM	41217						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD	11:30:00 AM	41218						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD	1:30:00 PM	41219						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	NZDCAD	3:30:00 PM	41220						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD.fx	9:30:00 AM	41221						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD.fx	11:30:00 AM	41222						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD.fx	1:30:00 PM	41223						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCAD.fx	3:30:00 PM	41224						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF	9:30:00 AM	41225						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF	11:30:00 AM	41226						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF	1:30:00 PM	41227						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF	3:30:00 PM	41228						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF.fx	9:30:00 AM	41229						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF.fx	11:30:00 AM	41230						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF.fx	1:30:00 PM	41231						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCHF.fx	3:30:00 PM	41232						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCZK	9:30:00 AM	41233						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCZK	11:30:00 AM	41234						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCZK	1:30:00 PM	41235						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDCZK	3:30:00 PM	41236						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDDKK	9:30:00 AM	41237						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDDKK	11:30:00 AM	41238						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDDKK	1:30:00 PM	41239						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDDKK	3:30:00 PM	41240						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHKD	9:30:00 AM	41241						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHKD	11:30:00 AM	41242						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHKD	1:30:00 PM	41243						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHKD	3:30:00 PM	41244						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHUF	9:30:00 AM	41245						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHUF	11:30:00 AM	41246						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHUF	1:30:00 PM	41247						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDHUF	3:30:00 PM	41248						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY	9:30:00 AM	41249						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY	11:30:00 AM	41250						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY	1:30:00 PM	41251						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY	3:30:00 PM	41252						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY.fx	9:30:00 AM	41253						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	NZDJPY.fx	11:30:00 AM	41254						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY.fx	1:30:00 PM	41255						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDJPY.fx	3:30:00 PM	41256						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDMXN	9:30:00 AM	41257						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDMXN	11:30:00 AM	41258						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDMXN	1:30:00 PM	41259						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDMXN	3:30:00 PM	41260						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDNOK	9:30:00 AM	41261						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDNOK	11:30:00 AM	41262						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDNOK	1:30:00 PM	41263						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDNOK	3:30:00 PM	41264						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDPLN	9:30:00 AM	41265						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDPLN	11:30:00 AM	41266						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDPLN	1:30:00 PM	41267						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDPLN	3:30:00 PM	41268						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSEK	9:30:00 AM	41269						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSEK	11:30:00 AM	41270						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSEK	1:30:00 PM	41271						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSEK	3:30:00 PM	41272						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD	9:30:00 AM	41273						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD	11:30:00 AM	41274						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD	1:30:00 PM	41275						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD	3:30:00 PM	41276						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD.fx	9:30:00 AM	41277						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD.fx	11:30:00 AM	41278						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD.fx	1:30:00 PM	41279						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDSGD.fx	3:30:00 PM	41280						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD	9:30:00 AM	41281						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD	11:30:00 AM	41282						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD	1:30:00 PM	41283						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD	3:30:00 PM	41284						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD.fx	9:30:00 AM	41285						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD.fx	11:30:00 AM	41286						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDUSD.fx	1:30:00 PM	41287						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	NZDUSD.fx	3:30:00 PM	41288						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDZAR	9:30:00 AM	41289						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDZAR	11:30:00 AM	41290						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDZAR	1:30:00 PM	41291						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	NZDZAR	3:30:00 PM	41292						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY	9:30:00 AM	41293						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY	11:30:00 AM	41294						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY	1:30:00 PM	41295						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY	3:30:00 PM	41296						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY.fx	9:30:00 AM	41297						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY.fx	11:30:00 AM	41298						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY.fx	1:30:00 PM	41299						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SEKJPY.fx	3:30:00 PM	41300						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SGDJPY	9:30:00 AM	41301						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SGDJPY	11:30:00 AM	41302						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SGDJPY	1:30:00 PM	41303						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SGDJPY	3:30:00 PM	41304						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SILVER	9:30:00 AM	41305						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SILVER	11:30:00 AM	41306						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SILVER	1:30:00 PM	41307						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SILVER	3:30:00 PM	41308						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SPX500.i	9:30:00 AM	41309						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SPX500.i	11:30:00 AM	41310						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SPX500.i	1:30:00 PM	41311						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	SPX500.i	3:30:00 PM	41312						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	UK100.i	9:30:00 AM	41313						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	UK100.i	11:30:00 AM	41314						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	UK100.i	1:30:00 PM	41315						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	UK100.i	3:30:00 PM	41316						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD	9:30:00 AM	41317						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD	11:30:00 AM	41318						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD	1:30:00 PM	41319						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD	3:30:00 PM	41320						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD.fx	9:30:00 AM	41321						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	USDCAD.fx	11:30:00 AM	41322						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD.fx	1:30:00 PM	41323						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCAD.fx	3:30:00 PM	41324						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF	9:30:00 AM	41325						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF	11:30:00 AM	41326						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF	1:30:00 PM	41327						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF	3:30:00 PM	41328						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF.fx	9:30:00 AM	41329						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF.fx	11:30:00 AM	41330						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF.fx	1:30:00 PM	41331						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCHEF.fx	3:30:00 PM	41332						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK	9:30:00 AM	41333						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK	11:30:00 AM	41334						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK	1:30:00 PM	41335						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK	3:30:00 PM	41336						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK.fx	9:30:00 AM	41337						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK.fx	11:30:00 AM	41338						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK.fx	1:30:00 PM	41339						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDCZK.fx	3:30:00 PM	41340						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK	9:30:00 AM	41341						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK	11:30:00 AM	41342						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK	1:30:00 PM	41343						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK	3:30:00 PM	41344						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK.fx	9:30:00 AM	41345						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK.fx	11:30:00 AM	41346						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK.fx	1:30:00 PM	41347						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDDKK.fx	3:30:00 PM	41348						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD	9:30:00 AM	41349						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD	11:30:00 AM	41350						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD	1:30:00 PM	41351						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD	3:30:00 PM	41352						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD.fx	9:30:00 AM	41353						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD.fx	11:30:00 AM	41354						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHKD.fx	1:30:00 PM	41355						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	USDHKD.fx	3:30:00 PM	41356						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF	9:30:00 AM	41357						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF	11:30:00 AM	41358						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF	1:30:00 PM	41359						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF	3:30:00 PM	41360						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF.fx	9:30:00 AM	41361						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF.fx	11:30:00 AM	41362						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF.fx	1:30:00 PM	41363						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDHUF.fx	3:30:00 PM	41364						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDINR	9:30:00 AM	41365						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDINR	11:30:00 AM	41366						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDINR	1:30:00 PM	41367						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDINR	3:30:00 PM	41368						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY	9:30:00 AM	41369						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY	11:30:00 AM	41370						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY	1:30:00 PM	41371						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY	3:30:00 PM	41372						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY.fx	9:30:00 AM	41373						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY.fx	11:30:00 AM	41374						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY.fx	1:30:00 PM	41375						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDJPY.fx	3:30:00 PM	41376						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDMXN	9:30:00 AM	41377						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDMXN	11:30:00 AM	41378						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDMXN	1:30:00 PM	41379						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDMXN	3:30:00 PM	41380						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JSDMXN.fx	9:30:00 AM	41381						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JSDMXN.fx	11:30:00 AM	41382						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JSDMXN.fx	1:30:00 PM	41383						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	JSDMXN.fx	3:30:00 PM	41384						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK	9:30:00 AM	41385						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK	11:30:00 AM	41386						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK	1:30:00 PM	41387						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK	3:30:00 PM	41388						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK.fx	9:30:00 AM	41389						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	USDNOK.fx	11:30:00 AM	41390						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK.fx	1:30:00 PM	41391						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDNOK.fx	3:30:00 PM	41392						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN	9:30:00 AM	41393						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN	11:30:00 AM	41394						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN	1:30:00 PM	41395						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN	3:30:00 PM	41396						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN.fx	9:30:00 AM	41397						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN.fx	11:30:00 AM	41398						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN.fx	1:30:00 PM	41399						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDPLN.fx	3:30:00 PM	41400						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDRUB	9:30:00 AM	41401						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDRUB	11:30:00 AM	41402						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDRUB	1:30:00 PM	41403						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDRUB	3:30:00 PM	41404						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK	9:30:00 AM	41405						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK	11:30:00 AM	41406						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK	1:30:00 PM	41407						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK	3:30:00 PM	41408						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK.fx	9:30:00 AM	41409						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK.fx	11:30:00 AM	41410						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK.fx	1:30:00 PM	41411						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSEK.fx	3:30:00 PM	41412						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD	9:30:00 AM	41413						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD	11:30:00 AM	41414						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD	1:30:00 PM	41415						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD	3:30:00 PM	41416						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD.fx	9:30:00 AM	41417						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD.fx	11:30:00 AM	41418						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD.fx	1:30:00 PM	41419						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDSGD.fx	3:30:00 PM	41420						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR	9:30:00 AM	41421						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR	11:30:00 AM	41422						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR	1:30:00 PM	41423						Continuous Quote	N/A	ELECTRONIC	N/A

11/4/2019	USDZAR	3:30:00 PM	41424						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR.fx	9:30:00 AM	41425						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR.fx	11:30:00 AM	41426						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR.fx	1:30:00 PM	41427						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	USDZAR.fx	3:30:00 PM	41428						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	XAUUSD	9:30:00 AM	41429						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	XAUUSD	11:30:00 AM	41430						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	XAUUSD	1:30:00 PM	41431						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	XAUUSD	3:30:00 PM	41432						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY	9:30:00 AM	41433						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY	11:30:00 AM	41434						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY	1:30:00 PM	41435						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY	3:30:00 PM	41436						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY.fx	9:30:00 AM	41437						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY.fx	11:30:00 AM	41438						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY.fx	1:30:00 PM	41439						Continuous Quote	N/A	ELECTRONIC	N/A
11/4/2019	ZARJPY.fx	3:30:00 PM	41440						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AA	9:30:00 AM	41441						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AA	11:30:00 AM	41442						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AA	1:30:00 PM	41443						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AA	3:30:00 PM	41444						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AABA	9:30:00 AM	41445						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AABA	11:30:00 AM	41446						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AABA	1:30:00 PM	41447						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AABA	3:30:00 PM	41448						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAL	9:30:00 AM	41449						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAL	11:30:00 AM	41450						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAL	1:30:00 PM	41451						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAL	3:30:00 PM	41452						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAPL	9:30:00 AM	41453						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAPL	11:30:00 AM	41454						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#AAPL	1:30:00 PM	41455						Continuous Quote	N/A	ELECTRONIC	N/A
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11/5/2019	#WDC	9:30:00 AM	41861						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WDC	11:30:00 AM	41862						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WDC	1:30:00 PM	41863						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WDC	3:30:00 PM	41864						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WFC	9:30:00 AM	41865						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	#WFC	11:30:00 AM	41866						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WFC	1:30:00 PM	41867						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WFC	3:30:00 PM	41868						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WMT	9:30:00 AM	41869						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WMT	11:30:00 AM	41870						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WMT	1:30:00 PM	41871						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#WMT	3:30:00 PM	41872						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#XOM	9:30:00 AM	41873						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#XOM	11:30:00 AM	41874						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#XOM	1:30:00 PM	41875						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#XOM	3:30:00 PM	41876						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#YHOO	9:30:00 AM	41877						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#YHOO	11:30:00 AM	41878						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#YHOO	1:30:00 PM	41879						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#YHOO	3:30:00 PM	41880						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#ZNGA	9:30:00 AM	41881						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#ZNGA	11:30:00 AM	41882						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#ZNGA	1:30:00 PM	41883						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	#ZNGA	3:30:00 PM	41884						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD	9:30:00 AM	41885						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD	11:30:00 AM	41886						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD	1:30:00 PM	41887						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD	3:30:00 PM	41888						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD.fx	9:30:00 AM	41889						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD.fx	11:30:00 AM	41890						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD.fx	1:30:00 PM	41891						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCAD.fx	3:30:00 PM	41892						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF	9:30:00 AM	41893						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF	11:30:00 AM	41894						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF	1:30:00 PM	41895						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF	3:30:00 PM	41896						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF.fx	9:30:00 AM	41897						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF.fx	11:30:00 AM	41898						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCHF.fx	1:30:00 PM	41899						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	AUDCHF.fx	3:30:00 PM	41900						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCZK	9:30:00 AM	41901						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCZK	11:30:00 AM	41902						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCZK	1:30:00 PM	41903						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDCZK	3:30:00 PM	41904						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDDKK	9:30:00 AM	41905						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDDKK	11:30:00 AM	41906						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDDKK	1:30:00 PM	41907						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDDKK	3:30:00 PM	41908						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHKD	9:30:00 AM	41909						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHKD	11:30:00 AM	41910						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHKD	1:30:00 PM	41911						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHKD	3:30:00 PM	41912						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHUF	9:30:00 AM	41913						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHUF	11:30:00 AM	41914						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHUF	1:30:00 PM	41915						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDHUF	3:30:00 PM	41916						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY	9:30:00 AM	41917						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY	11:30:00 AM	41918						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY	1:30:00 PM	41919						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY	3:30:00 PM	41920						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY.fx	9:30:00 AM	41921						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY.fx	11:30:00 AM	41922						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY.fx	1:30:00 PM	41923						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDJPY.fx	3:30:00 PM	41924						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDMXN	9:30:00 AM	41925						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDMXN	11:30:00 AM	41926						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDMXN	1:30:00 PM	41927						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDMXN	3:30:00 PM	41928						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK	9:30:00 AM	41929						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK	11:30:00 AM	41930						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK	1:30:00 PM	41931						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK	3:30:00 PM	41932						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK.fx	9:30:00 AM	41933						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	AUDNOK.fx	11:30:00 AM	41934						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK.fx	1:30:00 PM	41935						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNOK.fx	3:30:00 PM	41936						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD	9:30:00 AM	41937						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD	11:30:00 AM	41938						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD	1:30:00 PM	41939						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD	3:30:00 PM	41940						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD.fx	9:30:00 AM	41941						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD.fx	11:30:00 AM	41942						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD.fx	1:30:00 PM	41943						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDNZD.fx	3:30:00 PM	41944						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDPLN	9:30:00 AM	41945						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDPLN	11:30:00 AM	41946						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDPLN	1:30:00 PM	41947						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDPLN	3:30:00 PM	41948						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK	9:30:00 AM	41949						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK	11:30:00 AM	41950						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK	1:30:00 PM	41951						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK	3:30:00 PM	41952						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK.fx	9:30:00 AM	41953						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK.fx	11:30:00 AM	41954						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK.fx	1:30:00 PM	41955						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSEK.fx	3:30:00 PM	41956						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD	9:30:00 AM	41957						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD	11:30:00 AM	41958						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD	1:30:00 PM	41959						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD	3:30:00 PM	41960						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD.fx	9:30:00 AM	41961						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD.fx	11:30:00 AM	41962						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD.fx	1:30:00 PM	41963						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDSGD.fx	3:30:00 PM	41964						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD	9:30:00 AM	41965						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD	11:30:00 AM	41966						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD	1:30:00 PM	41967						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	AUDUSD	3:30:00 PM	41968						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD.fx	9:30:00 AM	41969						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD.fx	11:30:00 AM	41970						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD.fx	1:30:00 PM	41971						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDUSD.fx	3:30:00 PM	41972						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDZAR	9:30:00 AM	41973						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDZAR	11:30:00 AM	41974						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDZAR	1:30:00 PM	41975						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUDZAR	3:30:00 PM	41976						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUS200.i	9:30:00 AM	41977						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUS200.i	11:30:00 AM	41978						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUS200.i	1:30:00 PM	41979						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	AUS200.i	3:30:00 PM	41980						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	BCHUSD	9:30:00 AM	41981						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	BCHUSD	11:30:00 AM	41982						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	BCHUSD	1:30:00 PM	41983						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	BCHUSD	3:30:00 PM	41984						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF	9:30:00 AM	41985						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF	11:30:00 AM	41986						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF	1:30:00 PM	41987						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF	3:30:00 PM	41988						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF.fx	9:30:00 AM	41989						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF.fx	11:30:00 AM	41990						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF.fx	1:30:00 PM	41991						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCHF.fx	3:30:00 PM	41992						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCZK	9:30:00 AM	41993						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCZK	11:30:00 AM	41994						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCZK	1:30:00 PM	41995						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADCZK	3:30:00 PM	41996						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADDDKK	9:30:00 AM	41997						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADDDKK	11:30:00 AM	41998						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADDDKK	1:30:00 PM	41999						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADDDKK	3:30:00 PM	42000						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHKD	9:30:00 AM	42001						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	CADHKD	11:30:00 AM	42002						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHKD	1:30:00 PM	42003						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHKD	3:30:00 PM	42004						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHUF	9:30:00 AM	42005						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHUF	11:30:00 AM	42006						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHUF	1:30:00 PM	42007						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADHUF	3:30:00 PM	42008						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY	9:30:00 AM	42009						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY	11:30:00 AM	42010						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY	1:30:00 PM	42011						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY	3:30:00 PM	42012						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY.fx	9:30:00 AM	42013						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY.fx	11:30:00 AM	42014						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY.fx	1:30:00 PM	42015						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADJPY.fx	3:30:00 PM	42016						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADMXN	9:30:00 AM	42017						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADMXN	11:30:00 AM	42018						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADMXN	1:30:00 PM	42019						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADMXN	3:30:00 PM	42020						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADNOK	9:30:00 AM	42021						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADNOK	11:30:00 AM	42022						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADNOK	1:30:00 PM	42023						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADNOK	3:30:00 PM	42024						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADPLN	9:30:00 AM	42025						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADPLN	11:30:00 AM	42026						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADPLN	1:30:00 PM	42027						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADPLN	3:30:00 PM	42028						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSEK	9:30:00 AM	42029						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSEK	11:30:00 AM	42030						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSEK	1:30:00 PM	42031						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSEK	3:30:00 PM	42032						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSGD	9:30:00 AM	42033						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSGD	11:30:00 AM	42034						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADSGD	1:30:00 PM	42035						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	CADSGD	3:30:00 PM	42036						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADZAR	9:30:00 AM	42037						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADZAR	11:30:00 AM	42038						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADZAR	1:30:00 PM	42039						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CADZAR	3:30:00 PM	42040						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFCZK	9:30:00 AM	42041						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFCZK	11:30:00 AM	42042						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFCZK	1:30:00 PM	42043						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFCZK	3:30:00 PM	42044						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK	9:30:00 AM	42045						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK	11:30:00 AM	42046						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK	1:30:00 PM	42047						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK	3:30:00 PM	42048						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK.fx	9:30:00 AM	42049						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK.fx	11:30:00 AM	42050						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK.fx	1:30:00 PM	42051						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFDKK.fx	3:30:00 PM	42052						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHKD	9:30:00 AM	42053						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHKD	11:30:00 AM	42054						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHKD	1:30:00 PM	42055						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHKD	3:30:00 PM	42056						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHUF	9:30:00 AM	42057						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHUF	11:30:00 AM	42058						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHUF	1:30:00 PM	42059						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFHUF	3:30:00 PM	42060						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY	9:30:00 AM	42061						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY	11:30:00 AM	42062						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY	1:30:00 PM	42063						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY	3:30:00 PM	42064						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY.fx	9:30:00 AM	42065						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY.fx	11:30:00 AM	42066						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY.fx	1:30:00 PM	42067						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFJPY.fx	3:30:00 PM	42068						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFMXN	9:30:00 AM	42069						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	CHFMXN	11:30:00 AM	42070						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFMXN	1:30:00 PM	42071						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFMXN	3:30:00 PM	42072						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK	9:30:00 AM	42073						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK	11:30:00 AM	42074						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK	1:30:00 PM	42075						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK	3:30:00 PM	42076						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK.fx	9:30:00 AM	42077						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK.fx	11:30:00 AM	42078						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK.fx	1:30:00 PM	42079						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFNOK.fx	3:30:00 PM	42080						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN	9:30:00 AM	42081						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN	11:30:00 AM	42082						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN	1:30:00 PM	42083						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN	3:30:00 PM	42084						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN.fx	9:30:00 AM	42085						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN.fx	11:30:00 AM	42086						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN.fx	1:30:00 PM	42087						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFPLN.fx	3:30:00 PM	42088						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSEK	9:30:00 AM	42089						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSEK	11:30:00 AM	42090						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSEK	1:30:00 PM	42091						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSEK	3:30:00 PM	42092						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD	9:30:00 AM	42093						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD	11:30:00 AM	42094						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD	1:30:00 PM	42095						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD	3:30:00 PM	42096						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD.fx	9:30:00 AM	42097						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD.fx	11:30:00 AM	42098						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD.fx	1:30:00 PM	42099						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFSGD.fx	3:30:00 PM	42100						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFZAR	9:30:00 AM	42101						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFZAR	11:30:00 AM	42102						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CHFZAR	1:30:00 PM	42103						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	CHFZAR	3:30:00 PM	42104						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CZKJPY	9:30:00 AM	42105						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CZKJPY	11:30:00 AM	42106						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CZKJPY	1:30:00 PM	42107						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	CZKJPY	3:30:00 PM	42108						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DAX30.i	9:30:00 AM	42109						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DAX30.i	11:30:00 AM	42110						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DAX30.i	1:30:00 PM	42111						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DAX30.i	3:30:00 PM	42112						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DJ30.i	9:30:00 AM	42113						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DJ30.i	11:30:00 AM	42114						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DJ30.i	1:30:00 PM	42115						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DJ30.i	3:30:00 PM	42116						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DKKJPY	9:30:00 AM	42117						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DKKJPY	11:30:00 AM	42118						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DKKJPY	1:30:00 PM	42119						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	DKKJPY	3:30:00 PM	42120						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD	9:30:00 AM	42121						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD	11:30:00 AM	42122						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD	1:30:00 PM	42123						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD	3:30:00 PM	42124						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD.fx	9:30:00 AM	42125						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD.fx	11:30:00 AM	42126						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD.fx	1:30:00 PM	42127						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURAUD.fx	3:30:00 PM	42128						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD	9:30:00 AM	42129						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD	11:30:00 AM	42130						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD	1:30:00 PM	42131						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD	3:30:00 PM	42132						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD.fx	9:30:00 AM	42133						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD.fx	11:30:00 AM	42134						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD.fx	1:30:00 PM	42135						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCAD.fx	3:30:00 PM	42136						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF	9:30:00 AM	42137						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	EURCHF	11:30:00 AM	42138						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF	1:30:00 PM	42139						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF	3:30:00 PM	42140						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF.fx	9:30:00 AM	42141						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF.fx	11:30:00 AM	42142						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF.fx	1:30:00 PM	42143						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCHF.fx	3:30:00 PM	42144						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCZK	9:30:00 AM	42145						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCZK	11:30:00 AM	42146						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCZK	1:30:00 PM	42147						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURCZK	3:30:00 PM	42148						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURDKK	9:30:00 AM	42149						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURDKK	11:30:00 AM	42150						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURDKK	1:30:00 PM	42151						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURDKK	3:30:00 PM	42152						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP	9:30:00 AM	42153						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP	11:30:00 AM	42154						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP	1:30:00 PM	42155						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP	3:30:00 PM	42156						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP.fx	9:30:00 AM	42157						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP.fx	11:30:00 AM	42158						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP.fx	1:30:00 PM	42159						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURGBP.fx	3:30:00 PM	42160						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD	9:30:00 AM	42161						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD	11:30:00 AM	42162						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD	1:30:00 PM	42163						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD	3:30:00 PM	42164						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD.fx	9:30:00 AM	42165						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD.fx	11:30:00 AM	42166						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD.fx	1:30:00 PM	42167						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHKD.fx	3:30:00 PM	42168						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF	9:30:00 AM	42169						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF	11:30:00 AM	42170						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF	1:30:00 PM	42171						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	EURHUF	3:30:00 PM	42172						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF.fx	9:30:00 AM	42173						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF.fx	11:30:00 AM	42174						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF.fx	1:30:00 PM	42175						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURHUF.fx	3:30:00 PM	42176						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY	9:30:00 AM	42177						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY	11:30:00 AM	42178						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY	1:30:00 PM	42179						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY	3:30:00 PM	42180						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY.fx	9:30:00 AM	42181						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY.fx	11:30:00 AM	42182						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY.fx	1:30:00 PM	42183						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURJPY.fx	3:30:00 PM	42184						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN	9:30:00 AM	42185						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN	11:30:00 AM	42186						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN	1:30:00 PM	42187						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN	3:30:00 PM	42188						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN.fx	9:30:00 AM	42189						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN.fx	11:30:00 AM	42190						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN.fx	1:30:00 PM	42191						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURMXN.fx	3:30:00 PM	42192						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK	9:30:00 AM	42193						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK	11:30:00 AM	42194						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK	1:30:00 PM	42195						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK	3:30:00 PM	42196						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK.fx	9:30:00 AM	42197						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK.fx	11:30:00 AM	42198						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK.fx	1:30:00 PM	42199						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNOK.fx	3:30:00 PM	42200						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD	9:30:00 AM	42201						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD	11:30:00 AM	42202						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD	1:30:00 PM	42203						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD	3:30:00 PM	42204						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD.fx	9:30:00 AM	42205						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	EURNZD.fx	11:30:00 AM	42206						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD.fx	1:30:00 PM	42207						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURNZD.fx	3:30:00 PM	42208						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN	9:30:00 AM	42209						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN	11:30:00 AM	42210						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN	1:30:00 PM	42211						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN	3:30:00 PM	42212						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN.fx	9:30:00 AM	42213						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN.fx	11:30:00 AM	42214						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN.fx	1:30:00 PM	42215						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURPLN.fx	3:30:00 PM	42216						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURRUB	9:30:00 AM	42217						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURRUB	11:30:00 AM	42218						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURRUB	1:30:00 PM	42219						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURRUB	3:30:00 PM	42220						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK	9:30:00 AM	42221						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK	11:30:00 AM	42222						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK	1:30:00 PM	42223						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK	3:30:00 PM	42224						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK.fx	9:30:00 AM	42225						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK.fx	11:30:00 AM	42226						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK.fx	1:30:00 PM	42227						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSEK.fx	3:30:00 PM	42228						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD	9:30:00 AM	42229						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD	11:30:00 AM	42230						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD	1:30:00 PM	42231						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD	3:30:00 PM	42232						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD.fx	9:30:00 AM	42233						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD.fx	11:30:00 AM	42234						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD.fx	1:30:00 PM	42235						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURSGD.fx	3:30:00 PM	42236						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD	9:30:00 AM	42237						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD	11:30:00 AM	42238						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD	1:30:00 PM	42239						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	EURUSD	3:30:00 PM	42240						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD.fx	9:30:00 AM	42241						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD.fx	11:30:00 AM	42242						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD.fx	1:30:00 PM	42243						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURUSD.fx	3:30:00 PM	42244						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR	9:30:00 AM	42245						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR	11:30:00 AM	42246						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR	1:30:00 PM	42247						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR	3:30:00 PM	42248						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR.fx	9:30:00 AM	42249						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR.fx	11:30:00 AM	42250						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR.fx	1:30:00 PM	42251						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	EURZAR.fx	3:30:00 PM	42252						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD	9:30:00 AM	42253						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD	11:30:00 AM	42254						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD	1:30:00 PM	42255						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD	3:30:00 PM	42256						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD.fx	9:30:00 AM	42257						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD.fx	11:30:00 AM	42258						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD.fx	1:30:00 PM	42259						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPAUD.fx	3:30:00 PM	42260						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD	9:30:00 AM	42261						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD	11:30:00 AM	42262						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD	1:30:00 PM	42263						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD	3:30:00 PM	42264						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD.fx	9:30:00 AM	42265						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD.fx	11:30:00 AM	42266						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD.fx	1:30:00 PM	42267						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCAD.fx	3:30:00 PM	42268						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF	9:30:00 AM	42269						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF	11:30:00 AM	42270						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF	1:30:00 PM	42271						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF	3:30:00 PM	42272						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF.fx	9:30:00 AM	42273						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	GBPCHF.fx	11:30:00 AM	42274						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF.fx	1:30:00 PM	42275						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCHF.fx	3:30:00 PM	42276						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCZK	9:30:00 AM	42277						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCZK	11:30:00 AM	42278						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCZK	1:30:00 PM	42279						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPCZK	3:30:00 PM	42280						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK	9:30:00 AM	42281						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK	11:30:00 AM	42282						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK	1:30:00 PM	42283						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK	3:30:00 PM	42284						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK.fx	9:30:00 AM	42285						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK.fx	11:30:00 AM	42286						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK.fx	1:30:00 PM	42287						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPDKK.fx	3:30:00 PM	42288						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHKD	9:30:00 AM	42289						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHKD	11:30:00 AM	42290						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHKD	1:30:00 PM	42291						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHKD	3:30:00 PM	42292						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHUF	9:30:00 AM	42293						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHUF	11:30:00 AM	42294						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHUF	1:30:00 PM	42295						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPHUF	3:30:00 PM	42296						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY	9:30:00 AM	42297						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY	11:30:00 AM	42298						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY	1:30:00 PM	42299						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY	3:30:00 PM	42300						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY.fx	9:30:00 AM	42301						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY.fx	11:30:00 AM	42302						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY.fx	1:30:00 PM	42303						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPJPY.fx	3:30:00 PM	42304						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPMXN	9:30:00 AM	42305						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPMXN	11:30:00 AM	42306						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPMXN	1:30:00 PM	42307						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	GBPMXN	3:30:00 PM	42308						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK	9:30:00 AM	42309						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK	11:30:00 AM	42310						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK	1:30:00 PM	42311						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK	3:30:00 PM	42312						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK.fx	9:30:00 AM	42313						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK.fx	11:30:00 AM	42314						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK.fx	1:30:00 PM	42315						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNOK.fx	3:30:00 PM	42316						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD	9:30:00 AM	42317						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD	11:30:00 AM	42318						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD	1:30:00 PM	42319						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD	3:30:00 PM	42320						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD.fx	9:30:00 AM	42321						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD.fx	11:30:00 AM	42322						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD.fx	1:30:00 PM	42323						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPNZD.fx	3:30:00 PM	42324						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN	9:30:00 AM	42325						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN	11:30:00 AM	42326						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN	1:30:00 PM	42327						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN	3:30:00 PM	42328						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN.fx	9:30:00 AM	42329						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN.fx	11:30:00 AM	42330						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN.fx	1:30:00 PM	42331						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPPLN.fx	3:30:00 PM	42332						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK	9:30:00 AM	42333						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK	11:30:00 AM	42334						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK	1:30:00 PM	42335						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK	3:30:00 PM	42336						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK.fx	9:30:00 AM	42337						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK.fx	11:30:00 AM	42338						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK.fx	1:30:00 PM	42339						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSEK.fx	3:30:00 PM	42340						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD	9:30:00 AM	42341						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	GBPSGD	11:30:00 AM	42342						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD	1:30:00 PM	42343						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD	3:30:00 PM	42344						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD.fx	9:30:00 AM	42345						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD.fx	11:30:00 AM	42346						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD.fx	1:30:00 PM	42347						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPSGD.fx	3:30:00 PM	42348						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD	9:30:00 AM	42349						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD	11:30:00 AM	42350						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD	1:30:00 PM	42351						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD	3:30:00 PM	42352						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD.fx	9:30:00 AM	42353						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD.fx	11:30:00 AM	42354						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD.fx	1:30:00 PM	42355						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPUSD.fx	3:30:00 PM	42356						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR	9:30:00 AM	42357						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR	11:30:00 AM	42358						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR	1:30:00 PM	42359						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR	3:30:00 PM	42360						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR.fx	9:30:00 AM	42361						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR.fx	11:30:00 AM	42362						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR.fx	1:30:00 PM	42363						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GBPZAR.fx	3:30:00 PM	42364						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GOLD	9:30:00 AM	42365						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GOLD	11:30:00 AM	42366						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GOLD	1:30:00 PM	42367						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	GOLD	3:30:00 PM	42368						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY	9:30:00 AM	42369						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY	11:30:00 AM	42370						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY	1:30:00 PM	42371						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY	3:30:00 PM	42372						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY.fx	9:30:00 AM	42373						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY.fx	11:30:00 AM	42374						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HKDJPY.fx	1:30:00 PM	42375						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	HKDJPY.fx	3:30:00 PM	42376						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HUFJPY	9:30:00 AM	42377						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HUFJPY	11:30:00 AM	42378						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HUFJPY	1:30:00 PM	42379						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	HUFJPY	3:30:00 PM	42380						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JP225.i	9:30:00 AM	42381						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JP225.i	11:30:00 AM	42382						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JP225.i	1:30:00 PM	42383						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JP225.i	3:30:00 PM	42384						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	MXNJPY	9:30:00 AM	42385						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	MXNJPY	11:30:00 AM	42386						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	MXNJPY	1:30:00 PM	42387						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	MXNJPY	3:30:00 PM	42388						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NASDAQ.i	9:30:00 AM	42389						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NASDAQ.i	11:30:00 AM	42390						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NASDAQ.i	1:30:00 PM	42391						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NASDAQ.i	3:30:00 PM	42392						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY	9:30:00 AM	42393						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY	11:30:00 AM	42394						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY	1:30:00 PM	42395						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY	3:30:00 PM	42396						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY.fx	9:30:00 AM	42397						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY.fx	11:30:00 AM	42398						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY.fx	1:30:00 PM	42399						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NOKJPY.fx	3:30:00 PM	42400						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD	9:30:00 AM	42401						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD	11:30:00 AM	42402						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD	1:30:00 PM	42403						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD	3:30:00 PM	42404						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD.fx	9:30:00 AM	42405						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD.fx	11:30:00 AM	42406						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD.fx	1:30:00 PM	42407						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCAD.fx	3:30:00 PM	42408						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF	9:30:00 AM	42409						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	NZDCHF	11:30:00 AM	42410						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF	1:30:00 PM	42411						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF	3:30:00 PM	42412						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF.fx	9:30:00 AM	42413						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF.fx	11:30:00 AM	42414						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF.fx	1:30:00 PM	42415						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCHF.fx	3:30:00 PM	42416						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCZK	9:30:00 AM	42417						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCZK	11:30:00 AM	42418						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCZK	1:30:00 PM	42419						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDCZK	3:30:00 PM	42420						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDDKK	9:30:00 AM	42421						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDDKK	11:30:00 AM	42422						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDDKK	1:30:00 PM	42423						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDDKK	3:30:00 PM	42424						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHKD	9:30:00 AM	42425						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHKD	11:30:00 AM	42426						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHKD	1:30:00 PM	42427						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHKD	3:30:00 PM	42428						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHUF	9:30:00 AM	42429						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHUF	11:30:00 AM	42430						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHUF	1:30:00 PM	42431						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDHUF	3:30:00 PM	42432						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY	9:30:00 AM	42433						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY	11:30:00 AM	42434						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY	1:30:00 PM	42435						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY	3:30:00 PM	42436						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY.fx	9:30:00 AM	42437						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY.fx	11:30:00 AM	42438						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDJPY.fx	1:30:00 PM	42439						Continuous Quote	N/A	ELECTRONIC	N/A
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11/5/2019	NZDMXN	9:30:00 AM	42441						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDMXN	11:30:00 AM	42442						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDMXN	1:30:00 PM	42443						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	NZDMXN	3:30:00 PM	42444						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDNOK	9:30:00 AM	42445						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDNOK	11:30:00 AM	42446						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDNOK	1:30:00 PM	42447						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDNOK	3:30:00 PM	42448						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDPLN	9:30:00 AM	42449						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDPLN	11:30:00 AM	42450						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDPLN	1:30:00 PM	42451						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDPLN	3:30:00 PM	42452						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSEK	9:30:00 AM	42453						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSEK	11:30:00 AM	42454						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSEK	1:30:00 PM	42455						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSEK	3:30:00 PM	42456						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD	9:30:00 AM	42457						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD	11:30:00 AM	42458						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD	1:30:00 PM	42459						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD	3:30:00 PM	42460						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD.fx	9:30:00 AM	42461						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD.fx	11:30:00 AM	42462						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD.fx	1:30:00 PM	42463						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDSGD.fx	3:30:00 PM	42464						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD	9:30:00 AM	42465						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD	11:30:00 AM	42466						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD	1:30:00 PM	42467						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD	3:30:00 PM	42468						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD.fx	9:30:00 AM	42469						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD.fx	11:30:00 AM	42470						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD.fx	1:30:00 PM	42471						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDUSD.fx	3:30:00 PM	42472						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDZAR	9:30:00 AM	42473						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDZAR	11:30:00 AM	42474						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDZAR	1:30:00 PM	42475						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	NZDZAR	3:30:00 PM	42476						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY	9:30:00 AM	42477						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	SEKJPY	11:30:00 AM	42478						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY	1:30:00 PM	42479						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY	3:30:00 PM	42480						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY.fx	9:30:00 AM	42481						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY.fx	11:30:00 AM	42482						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY.fx	1:30:00 PM	42483						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SEKJPY.fx	3:30:00 PM	42484						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SGDJPY	9:30:00 AM	42485						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SGDJPY	11:30:00 AM	42486						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SGDJPY	1:30:00 PM	42487						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SGDJPY	3:30:00 PM	42488						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SILVER	9:30:00 AM	42489						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SILVER	11:30:00 AM	42490						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SILVER	1:30:00 PM	42491						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SILVER	3:30:00 PM	42492						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SPX500.i	9:30:00 AM	42493						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SPX500.i	11:30:00 AM	42494						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SPX500.i	1:30:00 PM	42495						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	SPX500.i	3:30:00 PM	42496						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	UK100.i	9:30:00 AM	42497						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	UK100.i	11:30:00 AM	42498						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	UK100.i	1:30:00 PM	42499						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	UK100.i	3:30:00 PM	42500						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD	9:30:00 AM	42501						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD	11:30:00 AM	42502						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD	1:30:00 PM	42503						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD	3:30:00 PM	42504						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD.fx	9:30:00 AM	42505						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD.fx	11:30:00 AM	42506						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD.fx	1:30:00 PM	42507						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCAD.fx	3:30:00 PM	42508						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF	9:30:00 AM	42509						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF	11:30:00 AM	42510						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF	1:30:00 PM	42511						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	USDCHF	3:30:00 PM	42512						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF.fx	9:30:00 AM	42513						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF.fx	11:30:00 AM	42514						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF.fx	1:30:00 PM	42515						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCHF.fx	3:30:00 PM	42516						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK	9:30:00 AM	42517						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK	11:30:00 AM	42518						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK	1:30:00 PM	42519						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK	3:30:00 PM	42520						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK.fx	9:30:00 AM	42521						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK.fx	11:30:00 AM	42522						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK.fx	1:30:00 PM	42523						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDCZK.fx	3:30:00 PM	42524						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK	9:30:00 AM	42525						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK	11:30:00 AM	42526						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK	1:30:00 PM	42527						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK	3:30:00 PM	42528						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK.fx	9:30:00 AM	42529						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK.fx	11:30:00 AM	42530						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK.fx	1:30:00 PM	42531						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDDKK.fx	3:30:00 PM	42532						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD	9:30:00 AM	42533						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD	11:30:00 AM	42534						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD	1:30:00 PM	42535						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD	3:30:00 PM	42536						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD.fx	9:30:00 AM	42537						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD.fx	11:30:00 AM	42538						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD.fx	1:30:00 PM	42539						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHKD.fx	3:30:00 PM	42540						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF	9:30:00 AM	42541						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF	11:30:00 AM	42542						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF	1:30:00 PM	42543						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF	3:30:00 PM	42544						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF.fx	9:30:00 AM	42545						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	USDHUF.fx	11:30:00 AM	42546						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF.fx	1:30:00 PM	42547						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDHUF.fx	3:30:00 PM	42548						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDINR	9:30:00 AM	42549						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDINR	11:30:00 AM	42550						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDINR	1:30:00 PM	42551						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDINR	3:30:00 PM	42552						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY	9:30:00 AM	42553						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY	11:30:00 AM	42554						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY	1:30:00 PM	42555						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY	3:30:00 PM	42556						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY.fx	9:30:00 AM	42557						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY.fx	11:30:00 AM	42558						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY.fx	1:30:00 PM	42559						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDJPY.fx	3:30:00 PM	42560						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDMXN	9:30:00 AM	42561						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDMXN	11:30:00 AM	42562						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDMXN	1:30:00 PM	42563						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDMXN	3:30:00 PM	42564						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JSDMXN.fx	9:30:00 AM	42565						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JSDMXN.fx	11:30:00 AM	42566						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JSDMXN.fx	1:30:00 PM	42567						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	JSDMXN.fx	3:30:00 PM	42568						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK	9:30:00 AM	42569						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK	11:30:00 AM	42570						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK	1:30:00 PM	42571						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK	3:30:00 PM	42572						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK.fx	9:30:00 AM	42573						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK.fx	11:30:00 AM	42574						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK.fx	1:30:00 PM	42575						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDNOK.fx	3:30:00 PM	42576						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN	9:30:00 AM	42577						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN	11:30:00 AM	42578						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN	1:30:00 PM	42579						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	USDPLN	3:30:00 PM	42580						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN.fx	9:30:00 AM	42581						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN.fx	11:30:00 AM	42582						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN.fx	1:30:00 PM	42583						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDPLN.fx	3:30:00 PM	42584						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDRUB	9:30:00 AM	42585						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDRUB	11:30:00 AM	42586						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDRUB	1:30:00 PM	42587						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDRUB	3:30:00 PM	42588						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK	9:30:00 AM	42589						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK	11:30:00 AM	42590						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK	1:30:00 PM	42591						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK	3:30:00 PM	42592						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK.fx	9:30:00 AM	42593						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK.fx	11:30:00 AM	42594						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK.fx	1:30:00 PM	42595						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSEK.fx	3:30:00 PM	42596						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD	9:30:00 AM	42597						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD	11:30:00 AM	42598						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD	1:30:00 PM	42599						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD	3:30:00 PM	42600						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD.fx	9:30:00 AM	42601						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD.fx	11:30:00 AM	42602						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD.fx	1:30:00 PM	42603						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDSGD.fx	3:30:00 PM	42604						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR	9:30:00 AM	42605						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR	11:30:00 AM	42606						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR	1:30:00 PM	42607						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR	3:30:00 PM	42608						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR.fx	9:30:00 AM	42609						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR.fx	11:30:00 AM	42610						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR.fx	1:30:00 PM	42611						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	USDZAR.fx	3:30:00 PM	42612						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	XAUUSD	9:30:00 AM	42613						Continuous Quote	N/A	ELECTRONIC	N/A

11/5/2019	XAUUSD	11:30:00 AM	42614						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	XAUUSD	1:30:00 PM	42615						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	XAUUSD	3:30:00 PM	42616						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY	9:30:00 AM	42617						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY	11:30:00 AM	42618						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY	1:30:00 PM	42619						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY	3:30:00 PM	42620						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY.fx	9:30:00 AM	42621						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY.fx	11:30:00 AM	42622						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY.fx	1:30:00 PM	42623						Continuous Quote	N/A	ELECTRONIC	N/A
11/5/2019	ZARJPY.fx	3:30:00 PM	42624						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AA	9:30:00 AM	42625						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AA	11:30:00 AM	42626						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AA	1:30:00 PM	42627						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AA	3:30:00 PM	42628						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AABA	9:30:00 AM	42629						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AABA	11:30:00 AM	42630						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AABA	1:30:00 PM	42631						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AABA	3:30:00 PM	42632						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAL	9:30:00 AM	42633						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAL	11:30:00 AM	42634						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAL	1:30:00 PM	42635						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAL	3:30:00 PM	42636						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAPL	9:30:00 AM	42637						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAPL	11:30:00 AM	42638						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAPL	1:30:00 PM	42639						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AAPL	3:30:00 PM	42640						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ADBE	9:30:00 AM	42641						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ADBE	11:30:00 AM	42642						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ADBE	1:30:00 PM	42643						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ADBE	3:30:00 PM	42644						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#AIG	9:30:00 AM	42645						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	#WFC	3:30:00 PM	43052						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	#WMT	11:30:00 AM	43054						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#WMT	1:30:00 PM	43055						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	#WMT	3:30:00 PM	43056						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#XOM	9:30:00 AM	43057						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#XOM	11:30:00 AM	43058						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#XOM	1:30:00 PM	43059						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#XOM	3:30:00 PM	43060						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#YHOO	9:30:00 AM	43061						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#YHOO	11:30:00 AM	43062						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#YHOO	1:30:00 PM	43063						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#YHOO	3:30:00 PM	43064						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ZNGA	9:30:00 AM	43065						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ZNGA	11:30:00 AM	43066						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ZNGA	1:30:00 PM	43067						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	#ZNGA	3:30:00 PM	43068						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD	9:30:00 AM	43069						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD	11:30:00 AM	43070						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD	1:30:00 PM	43071						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD	3:30:00 PM	43072						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD.fx	9:30:00 AM	43073						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD.fx	11:30:00 AM	43074						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD.fx	1:30:00 PM	43075						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCAD.fx	3:30:00 PM	43076						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDCHF	3:30:00 PM	43080						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCHF.fx	9:30:00 AM	43081						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCHF.fx	11:30:00 AM	43082						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCHF.fx	1:30:00 PM	43083						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCHF.fx	3:30:00 PM	43084						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCZK	9:30:00 AM	43085						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCZK	11:30:00 AM	43086						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCZK	1:30:00 PM	43087						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDCZK	3:30:00 PM	43088						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDDKK	9:30:00 AM	43089						Continuous Quote	N/A	ELECTRONIC	N/A

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11/6/2019	AUDDKK	1:30:00 PM	43091						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDDKK	3:30:00 PM	43092						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDHKD	9:30:00 AM	43093						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDHKD	11:30:00 AM	43094						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDHKD	1:30:00 PM	43095						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDHKD	3:30:00 PM	43096						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDHUF	11:30:00 AM	43098						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDHUF	3:30:00 PM	43100						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDJPY	11:30:00 AM	43102						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY	1:30:00 PM	43103						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY	3:30:00 PM	43104						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY.fx	9:30:00 AM	43105						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY.fx	11:30:00 AM	43106						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY.fx	1:30:00 PM	43107						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDJPY.fx	3:30:00 PM	43108						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDNOK	11:30:00 AM	43114						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK	1:30:00 PM	43115						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK	3:30:00 PM	43116						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK.fx	9:30:00 AM	43117						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK.fx	11:30:00 AM	43118						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK.fx	1:30:00 PM	43119						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNOK.fx	3:30:00 PM	43120						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD	9:30:00 AM	43121						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD	11:30:00 AM	43122						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD	1:30:00 PM	43123						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	AUDNZD	3:30:00 PM	43124						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD.fx	9:30:00 AM	43125						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD.fx	11:30:00 AM	43126						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD.fx	1:30:00 PM	43127						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDNZD.fx	3:30:00 PM	43128						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDPLN	3:30:00 PM	43132						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDSEK	11:30:00 AM	43134						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDSEK	3:30:00 PM	43136						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDSGD	3:30:00 PM	43144						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDSGD.fx	9:30:00 AM	43145						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDSGD.fx	11:30:00 AM	43146						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDSGD.fx	1:30:00 PM	43147						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDSGD.fx	3:30:00 PM	43148						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDUSD	1:30:00 PM	43151						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDUSD	3:30:00 PM	43152						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDUSD.fx	11:30:00 AM	43154						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDUSD.fx	1:30:00 PM	43155						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDUSD.fx	3:30:00 PM	43156						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUDZAR	9:30:00 AM	43157						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	AUDZAR	11:30:00 AM	43158						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	AUDZAR	3:30:00 PM	43160						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUS200.i	9:30:00 AM	43161						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUS200.i	11:30:00 AM	43162						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUS200.i	1:30:00 PM	43163						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	AUS200.i	3:30:00 PM	43164						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	BCHUSD	9:30:00 AM	43165						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	BCHUSD	11:30:00 AM	43166						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	BCHUSD	1:30:00 PM	43167						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	BCHUSD	3:30:00 PM	43168						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF	9:30:00 AM	43169						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF	11:30:00 AM	43170						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF	1:30:00 PM	43171						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF	3:30:00 PM	43172						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF.fx	9:30:00 AM	43173						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADCHF.fx	11:30:00 AM	43174						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	CADCZK	3:30:00 PM	43180						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADDKK	9:30:00 AM	43181						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADDKK	11:30:00 AM	43182						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADDKK	1:30:00 PM	43183						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADDKK	3:30:00 PM	43184						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHKD	9:30:00 AM	43185						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHKD	11:30:00 AM	43186						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHKD	1:30:00 PM	43187						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHKD	3:30:00 PM	43188						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHUF	9:30:00 AM	43189						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHUF	11:30:00 AM	43190						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADHUF	1:30:00 PM	43191						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	CADHUF	3:30:00 PM	43192						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	CADJPY	11:30:00 AM	43194						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADJPY	1:30:00 PM	43195						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADJPY	3:30:00 PM	43196						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	CADJPY.fx	11:30:00 AM	43198						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	CADSEK	11:30:00 AM	43214						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSEK	1:30:00 PM	43215						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSEK	3:30:00 PM	43216						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSGD	9:30:00 AM	43217						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSGD	11:30:00 AM	43218						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSGD	1:30:00 PM	43219						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADSGD	3:30:00 PM	43220						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADZAR	9:30:00 AM	43221						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADZAR	11:30:00 AM	43222						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADZAR	1:30:00 PM	43223						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CADZAR	3:30:00 PM	43224						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFCZK	9:30:00 AM	43225						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	CHFCZK	11:30:00 AM	43226						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFCZK	1:30:00 PM	43227						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFCZK	3:30:00 PM	43228						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK	9:30:00 AM	43229						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK	11:30:00 AM	43230						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK	1:30:00 PM	43231						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK	3:30:00 PM	43232						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK.fx	9:30:00 AM	43233						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK.fx	11:30:00 AM	43234						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK.fx	1:30:00 PM	43235						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFDKK.fx	3:30:00 PM	43236						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHKD	9:30:00 AM	43237						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHKD	11:30:00 AM	43238						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHKD	1:30:00 PM	43239						Continuous Quote	N/A	ELECTRONIC	N/A
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11/6/2019	CHFHUF	9:30:00 AM	43241						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHUF	11:30:00 AM	43242						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHUF	1:30:00 PM	43243						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFHUF	3:30:00 PM	43244						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY	9:30:00 AM	43245						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY	11:30:00 AM	43246						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY	1:30:00 PM	43247						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY	3:30:00 PM	43248						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY.fx	9:30:00 AM	43249						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY.fx	11:30:00 AM	43250						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY.fx	1:30:00 PM	43251						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFJPY.fx	3:30:00 PM	43252						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFMXN	9:30:00 AM	43253						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFMXN	11:30:00 AM	43254						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFMXN	1:30:00 PM	43255						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFMXN	3:30:00 PM	43256						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK	9:30:00 AM	43257						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK	11:30:00 AM	43258						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK	1:30:00 PM	43259						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	CHFNOK	3:30:00 PM	43260						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK.fx	9:30:00 AM	43261						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK.fx	11:30:00 AM	43262						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK.fx	1:30:00 PM	43263						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFNOK.fx	3:30:00 PM	43264						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN	9:30:00 AM	43265						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN	11:30:00 AM	43266						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN	1:30:00 PM	43267						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN	3:30:00 PM	43268						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN.fx	9:30:00 AM	43269						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN.fx	11:30:00 AM	43270						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN.fx	1:30:00 PM	43271						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFPLN.fx	3:30:00 PM	43272						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSEK	9:30:00 AM	43273						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSEK	11:30:00 AM	43274						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSEK	1:30:00 PM	43275						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSEK	3:30:00 PM	43276						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD	9:30:00 AM	43277						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD	11:30:00 AM	43278						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD	1:30:00 PM	43279						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD	3:30:00 PM	43280						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD.fx	9:30:00 AM	43281						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD.fx	11:30:00 AM	43282						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD.fx	1:30:00 PM	43283						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFSGD.fx	3:30:00 PM	43284						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFZAR	9:30:00 AM	43285						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFZAR	11:30:00 AM	43286						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFZAR	1:30:00 PM	43287						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CHFZAR	3:30:00 PM	43288						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CZKJPY	9:30:00 AM	43289						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CZKJPY	11:30:00 AM	43290						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CZKJPY	1:30:00 PM	43291						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	CZKJPY	3:30:00 PM	43292						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DAX30.i	9:30:00 AM	43293						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	DAX30.i	11:30:00 AM	43294						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DAX30.i	1:30:00 PM	43295						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DAX30.i	3:30:00 PM	43296						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DJ30.i	9:30:00 AM	43297						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DJ30.i	11:30:00 AM	43298						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DJ30.i	1:30:00 PM	43299						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DJ30.i	3:30:00 PM	43300						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DKKJPY	9:30:00 AM	43301						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DKKJPY	11:30:00 AM	43302						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DKKJPY	1:30:00 PM	43303						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	DKKJPY	3:30:00 PM	43304						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD	9:30:00 AM	43305						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD	11:30:00 AM	43306						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD	1:30:00 PM	43307						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD	3:30:00 PM	43308						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD.fx	9:30:00 AM	43309						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD.fx	11:30:00 AM	43310						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD.fx	1:30:00 PM	43311						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURAUD.fx	3:30:00 PM	43312						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD	9:30:00 AM	43313						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD	11:30:00 AM	43314						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD	1:30:00 PM	43315						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD	3:30:00 PM	43316						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD.fx	9:30:00 AM	43317						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD.fx	11:30:00 AM	43318						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD.fx	1:30:00 PM	43319						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCAD.fx	3:30:00 PM	43320						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF	9:30:00 AM	43321						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF	11:30:00 AM	43322						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF	1:30:00 PM	43323						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF	3:30:00 PM	43324						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF.fx	9:30:00 AM	43325						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF.fx	11:30:00 AM	43326						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCHF.fx	1:30:00 PM	43327						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	EURCHF.fx	3:30:00 PM	43328						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCZK	9:30:00 AM	43329						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCZK	11:30:00 AM	43330						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCZK	1:30:00 PM	43331						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURCZK	3:30:00 PM	43332						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURDKK	9:30:00 AM	43333						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURDKK	11:30:00 AM	43334						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURDKK	1:30:00 PM	43335						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURDKK	3:30:00 PM	43336						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP	9:30:00 AM	43337						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP	11:30:00 AM	43338						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP	1:30:00 PM	43339						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP	3:30:00 PM	43340						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP.fx	9:30:00 AM	43341						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP.fx	11:30:00 AM	43342						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP.fx	1:30:00 PM	43343						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURGBP.fx	3:30:00 PM	43344						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD	9:30:00 AM	43345						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD	11:30:00 AM	43346						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD	1:30:00 PM	43347						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD	3:30:00 PM	43348						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD.fx	9:30:00 AM	43349						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD.fx	11:30:00 AM	43350						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD.fx	1:30:00 PM	43351						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHKD.fx	3:30:00 PM	43352						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF	9:30:00 AM	43353						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF	11:30:00 AM	43354						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF	1:30:00 PM	43355						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF	3:30:00 PM	43356						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF.fx	9:30:00 AM	43357						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF.fx	11:30:00 AM	43358						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF.fx	1:30:00 PM	43359						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURHUF.fx	3:30:00 PM	43360						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY	9:30:00 AM	43361						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	EURJPY	11:30:00 AM	43362						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY	1:30:00 PM	43363						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY	3:30:00 PM	43364						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY.fx	9:30:00 AM	43365						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY.fx	11:30:00 AM	43366						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY.fx	1:30:00 PM	43367						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURJPY.fx	3:30:00 PM	43368						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN	9:30:00 AM	43369						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN	11:30:00 AM	43370						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN	1:30:00 PM	43371						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN	3:30:00 PM	43372						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN.fx	9:30:00 AM	43373						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN.fx	11:30:00 AM	43374						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN.fx	1:30:00 PM	43375						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURMXN.fx	3:30:00 PM	43376						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK	9:30:00 AM	43377						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK	11:30:00 AM	43378						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK	1:30:00 PM	43379						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK	3:30:00 PM	43380						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK.fx	9:30:00 AM	43381						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK.fx	11:30:00 AM	43382						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK.fx	1:30:00 PM	43383						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNOK.fx	3:30:00 PM	43384						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD	9:30:00 AM	43385						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD	11:30:00 AM	43386						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD	1:30:00 PM	43387						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD	3:30:00 PM	43388						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD.fx	9:30:00 AM	43389						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD.fx	11:30:00 AM	43390						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD.fx	1:30:00 PM	43391						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURNZD.fx	3:30:00 PM	43392						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN	9:30:00 AM	43393						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN	11:30:00 AM	43394						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN	1:30:00 PM	43395						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	EURPLN	3:30:00 PM	43396						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN.fx	9:30:00 AM	43397						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN.fx	11:30:00 AM	43398						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN.fx	1:30:00 PM	43399						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURPLN.fx	3:30:00 PM	43400						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURRUB	9:30:00 AM	43401						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURRUB	11:30:00 AM	43402						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURRUB	1:30:00 PM	43403						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURRUB	3:30:00 PM	43404						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK	9:30:00 AM	43405						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK	11:30:00 AM	43406						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK	1:30:00 PM	43407						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK	3:30:00 PM	43408						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK.fx	9:30:00 AM	43409						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK.fx	11:30:00 AM	43410						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK.fx	1:30:00 PM	43411						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSEK.fx	3:30:00 PM	43412						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD	9:30:00 AM	43413						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD	11:30:00 AM	43414						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD	1:30:00 PM	43415						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD	3:30:00 PM	43416						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD.fx	9:30:00 AM	43417						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD.fx	11:30:00 AM	43418						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD.fx	1:30:00 PM	43419						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURSGD.fx	3:30:00 PM	43420						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD	9:30:00 AM	43421						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD	11:30:00 AM	43422						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD	1:30:00 PM	43423						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD	3:30:00 PM	43424						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD.fx	9:30:00 AM	43425						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD.fx	11:30:00 AM	43426						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD.fx	1:30:00 PM	43427						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURUSD.fx	3:30:00 PM	43428						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR	9:30:00 AM	43429						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	EURZAR	11:30:00 AM	43430						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR	1:30:00 PM	43431						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR	3:30:00 PM	43432						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR.fx	9:30:00 AM	43433						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR.fx	11:30:00 AM	43434						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR.fx	1:30:00 PM	43435						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	EURZAR.fx	3:30:00 PM	43436						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD	9:30:00 AM	43437						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD	11:30:00 AM	43438						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD	1:30:00 PM	43439						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD	3:30:00 PM	43440						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD.fx	9:30:00 AM	43441						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD.fx	11:30:00 AM	43442						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD.fx	1:30:00 PM	43443						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPAUD.fx	3:30:00 PM	43444						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD	9:30:00 AM	43445						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD	11:30:00 AM	43446						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD	1:30:00 PM	43447						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD	3:30:00 PM	43448						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD.fx	9:30:00 AM	43449						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD.fx	11:30:00 AM	43450						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD.fx	1:30:00 PM	43451						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCAD.fx	3:30:00 PM	43452						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF	9:30:00 AM	43453						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF	11:30:00 AM	43454						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF	1:30:00 PM	43455						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF	3:30:00 PM	43456						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF.fx	9:30:00 AM	43457						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF.fx	11:30:00 AM	43458						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF.fx	1:30:00 PM	43459						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCHF.fx	3:30:00 PM	43460						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCZK	9:30:00 AM	43461						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCZK	11:30:00 AM	43462						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPCZK	1:30:00 PM	43463						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	GBPCZK	3:30:00 PM	43464						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK	9:30:00 AM	43465						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK	11:30:00 AM	43466						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK	1:30:00 PM	43467						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK	3:30:00 PM	43468						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK.fx	9:30:00 AM	43469						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK.fx	11:30:00 AM	43470						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK.fx	1:30:00 PM	43471						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPDKK.fx	3:30:00 PM	43472						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHKD	9:30:00 AM	43473						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHKD	11:30:00 AM	43474						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHKD	1:30:00 PM	43475						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHKD	3:30:00 PM	43476						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHUF	9:30:00 AM	43477						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHUF	11:30:00 AM	43478						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHUF	1:30:00 PM	43479						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPHUF	3:30:00 PM	43480						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY	9:30:00 AM	43481						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY	11:30:00 AM	43482						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY	1:30:00 PM	43483						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY	3:30:00 PM	43484						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY.fx	9:30:00 AM	43485						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY.fx	11:30:00 AM	43486						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY.fx	1:30:00 PM	43487						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPJPY.fx	3:30:00 PM	43488						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPMXN	9:30:00 AM	43489						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPMXN	11:30:00 AM	43490						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPMXN	1:30:00 PM	43491						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPMXN	3:30:00 PM	43492						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK	9:30:00 AM	43493						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK	11:30:00 AM	43494						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK	1:30:00 PM	43495						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK	3:30:00 PM	43496						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK.fx	9:30:00 AM	43497						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	GBPNOK.fx	11:30:00 AM	43498						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK.fx	1:30:00 PM	43499						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNOK.fx	3:30:00 PM	43500						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD	9:30:00 AM	43501						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD	11:30:00 AM	43502						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD	1:30:00 PM	43503						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD	3:30:00 PM	43504						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD.fx	9:30:00 AM	43505						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD.fx	11:30:00 AM	43506						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD.fx	1:30:00 PM	43507						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPNZD.fx	3:30:00 PM	43508						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN	9:30:00 AM	43509						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN	11:30:00 AM	43510						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN	1:30:00 PM	43511						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN	3:30:00 PM	43512						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN.fx	9:30:00 AM	43513						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN.fx	11:30:00 AM	43514						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN.fx	1:30:00 PM	43515						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPPLN.fx	3:30:00 PM	43516						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK	9:30:00 AM	43517						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK	11:30:00 AM	43518						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK	1:30:00 PM	43519						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK	3:30:00 PM	43520						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK.fx	9:30:00 AM	43521						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK.fx	11:30:00 AM	43522						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK.fx	1:30:00 PM	43523						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSEK.fx	3:30:00 PM	43524						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD	9:30:00 AM	43525						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD	11:30:00 AM	43526						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD	1:30:00 PM	43527						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD	3:30:00 PM	43528						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD.fx	9:30:00 AM	43529						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD.fx	11:30:00 AM	43530						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPSGD.fx	1:30:00 PM	43531						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	GBPSGD.fx	3:30:00 PM	43532						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD	9:30:00 AM	43533						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD	11:30:00 AM	43534						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD	1:30:00 PM	43535						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD	3:30:00 PM	43536						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD.fx	9:30:00 AM	43537						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD.fx	11:30:00 AM	43538						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD.fx	1:30:00 PM	43539						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPUSD.fx	3:30:00 PM	43540						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR	9:30:00 AM	43541						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR	11:30:00 AM	43542						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR	1:30:00 PM	43543						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR	3:30:00 PM	43544						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR.fx	9:30:00 AM	43545						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR.fx	11:30:00 AM	43546						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR.fx	1:30:00 PM	43547						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GBPZAR.fx	3:30:00 PM	43548						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GOLD	9:30:00 AM	43549						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GOLD	11:30:00 AM	43550						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GOLD	1:30:00 PM	43551						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	GOLD	3:30:00 PM	43552						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY	9:30:00 AM	43553						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY	11:30:00 AM	43554						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY	1:30:00 PM	43555						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY	3:30:00 PM	43556						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY.fx	9:30:00 AM	43557						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY.fx	11:30:00 AM	43558						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY.fx	1:30:00 PM	43559						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HKDJPY.fx	3:30:00 PM	43560						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HUFJPY	9:30:00 AM	43561						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HUFJPY	11:30:00 AM	43562						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HUFJPY	1:30:00 PM	43563						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	HUFJPY	3:30:00 PM	43564						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JP225.i	9:30:00 AM	43565						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	JP225.i	11:30:00 AM	43566						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JP225.i	1:30:00 PM	43567						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JP225.i	3:30:00 PM	43568						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	MXNJPY	9:30:00 AM	43569						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	MXNJPY	11:30:00 AM	43570						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	MXNJPY	1:30:00 PM	43571						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	MXNJPY	3:30:00 PM	43572						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NASDAQ.i	9:30:00 AM	43573						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NASDAQ.i	11:30:00 AM	43574						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NASDAQ.i	1:30:00 PM	43575						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NASDAQ.i	3:30:00 PM	43576						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY	9:30:00 AM	43577						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY	11:30:00 AM	43578						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY	1:30:00 PM	43579						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY	3:30:00 PM	43580						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY.fx	9:30:00 AM	43581						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY.fx	11:30:00 AM	43582						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY.fx	1:30:00 PM	43583						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NOKJPY.fx	3:30:00 PM	43584						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD	9:30:00 AM	43585						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD	11:30:00 AM	43586						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD	1:30:00 PM	43587						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD	3:30:00 PM	43588						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD.fx	9:30:00 AM	43589						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD.fx	11:30:00 AM	43590						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD.fx	1:30:00 PM	43591						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCAD.fx	3:30:00 PM	43592						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF	9:30:00 AM	43593						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF	11:30:00 AM	43594						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF	1:30:00 PM	43595						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF	3:30:00 PM	43596						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF.fx	9:30:00 AM	43597						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF.fx	11:30:00 AM	43598						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCHF.fx	1:30:00 PM	43599						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	NZDCHF.fx	3:30:00 PM	43600						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCZK	9:30:00 AM	43601						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCZK	11:30:00 AM	43602						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCZK	1:30:00 PM	43603						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDCZK	3:30:00 PM	43604						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDDKK	9:30:00 AM	43605						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDDKK	11:30:00 AM	43606						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDDKK	1:30:00 PM	43607						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDDKK	3:30:00 PM	43608						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHKD	9:30:00 AM	43609						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHKD	11:30:00 AM	43610						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHKD	1:30:00 PM	43611						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHKD	3:30:00 PM	43612						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHUF	9:30:00 AM	43613						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHUF	11:30:00 AM	43614						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHUF	1:30:00 PM	43615						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDHUF	3:30:00 PM	43616						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY	9:30:00 AM	43617						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY	11:30:00 AM	43618						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY	1:30:00 PM	43619						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY	3:30:00 PM	43620						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY.fx	9:30:00 AM	43621						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY.fx	11:30:00 AM	43622						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY.fx	1:30:00 PM	43623						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDJPY.fx	3:30:00 PM	43624						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDMXN	9:30:00 AM	43625						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDMXN	11:30:00 AM	43626						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDMXN	1:30:00 PM	43627						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDMXN	3:30:00 PM	43628						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDNOK	9:30:00 AM	43629						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDNOK	11:30:00 AM	43630						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDNOK	1:30:00 PM	43631						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDNOK	3:30:00 PM	43632						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDPLN	9:30:00 AM	43633						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	NZDPLN	11:30:00 AM	43634						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDPLN	1:30:00 PM	43635						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDPLN	3:30:00 PM	43636						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSEK	9:30:00 AM	43637						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSEK	11:30:00 AM	43638						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSEK	1:30:00 PM	43639						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSEK	3:30:00 PM	43640						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD	9:30:00 AM	43641						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD	11:30:00 AM	43642						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD	1:30:00 PM	43643						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD	3:30:00 PM	43644						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD.fx	9:30:00 AM	43645						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD.fx	11:30:00 AM	43646						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD.fx	1:30:00 PM	43647						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDSGD.fx	3:30:00 PM	43648						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD	9:30:00 AM	43649						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD	11:30:00 AM	43650						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD	1:30:00 PM	43651						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD	3:30:00 PM	43652						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD.fx	9:30:00 AM	43653						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD.fx	11:30:00 AM	43654						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD.fx	1:30:00 PM	43655						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDUSD.fx	3:30:00 PM	43656						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDZAR	9:30:00 AM	43657						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDZAR	11:30:00 AM	43658						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDZAR	1:30:00 PM	43659						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	NZDZAR	3:30:00 PM	43660						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY	9:30:00 AM	43661						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY	11:30:00 AM	43662						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY	1:30:00 PM	43663						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY	3:30:00 PM	43664						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY.fx	9:30:00 AM	43665						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY.fx	11:30:00 AM	43666						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SEKJPY.fx	1:30:00 PM	43667						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	SEKJPY.fx	3:30:00 PM	43668						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SGDJPY	9:30:00 AM	43669						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SGDJPY	11:30:00 AM	43670						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SGDJPY	1:30:00 PM	43671						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SGDJPY	3:30:00 PM	43672						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SILVER	9:30:00 AM	43673						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SILVER	11:30:00 AM	43674						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SILVER	1:30:00 PM	43675						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SILVER	3:30:00 PM	43676						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SPX500.i	9:30:00 AM	43677						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SPX500.i	11:30:00 AM	43678						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SPX500.i	1:30:00 PM	43679						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	SPX500.i	3:30:00 PM	43680						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	UK100.i	9:30:00 AM	43681						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	UK100.i	11:30:00 AM	43682						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	UK100.i	1:30:00 PM	43683						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	UK100.i	3:30:00 PM	43684						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD	9:30:00 AM	43685						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD	11:30:00 AM	43686						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD	1:30:00 PM	43687						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD	3:30:00 PM	43688						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD.fx	9:30:00 AM	43689						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD.fx	11:30:00 AM	43690						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD.fx	1:30:00 PM	43691						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCAD.fx	3:30:00 PM	43692						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF	9:30:00 AM	43693						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF	11:30:00 AM	43694						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF	1:30:00 PM	43695						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF	3:30:00 PM	43696						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF.fx	9:30:00 AM	43697						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF.fx	11:30:00 AM	43698						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF.fx	1:30:00 PM	43699						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCHF.fx	3:30:00 PM	43700						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK	9:30:00 AM	43701						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	USDCZK	11:30:00 AM	43702						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK	1:30:00 PM	43703						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK	3:30:00 PM	43704						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK.fx	9:30:00 AM	43705						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK.fx	11:30:00 AM	43706						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK.fx	1:30:00 PM	43707						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDCZK.fx	3:30:00 PM	43708						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK	9:30:00 AM	43709						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK	11:30:00 AM	43710						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK	1:30:00 PM	43711						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK	3:30:00 PM	43712						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK.fx	9:30:00 AM	43713						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK.fx	11:30:00 AM	43714						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK.fx	1:30:00 PM	43715						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDDKK.fx	3:30:00 PM	43716						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD	9:30:00 AM	43717						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD	11:30:00 AM	43718						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD	1:30:00 PM	43719						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD	3:30:00 PM	43720						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD.fx	9:30:00 AM	43721						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD.fx	11:30:00 AM	43722						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD.fx	1:30:00 PM	43723						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHKD.fx	3:30:00 PM	43724						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF	9:30:00 AM	43725						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF	11:30:00 AM	43726						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF	1:30:00 PM	43727						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF	3:30:00 PM	43728						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF.fx	9:30:00 AM	43729						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF.fx	11:30:00 AM	43730						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF.fx	1:30:00 PM	43731						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDHUF.fx	3:30:00 PM	43732						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDINR	9:30:00 AM	43733						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDINR	11:30:00 AM	43734						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDINR	1:30:00 PM	43735						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	USDINR	3:30:00 PM	43736						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY	9:30:00 AM	43737						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY	11:30:00 AM	43738						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY	1:30:00 PM	43739						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY	3:30:00 PM	43740						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY.fx	9:30:00 AM	43741						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY.fx	11:30:00 AM	43742						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY.fx	1:30:00 PM	43743						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDJPY.fx	3:30:00 PM	43744						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDMXN	9:30:00 AM	43745						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDMXN	11:30:00 AM	43746						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDMXN	1:30:00 PM	43747						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDMXN	3:30:00 PM	43748						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JSDMXN.fx	9:30:00 AM	43749						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JSDMXN.fx	11:30:00 AM	43750						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JSDMXN.fx	1:30:00 PM	43751						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	JSDMXN.fx	3:30:00 PM	43752						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK	9:30:00 AM	43753						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK	11:30:00 AM	43754						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK	1:30:00 PM	43755						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK	3:30:00 PM	43756						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK.fx	9:30:00 AM	43757						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK.fx	11:30:00 AM	43758						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK.fx	1:30:00 PM	43759						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDNOK.fx	3:30:00 PM	43760						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN	9:30:00 AM	43761						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN	11:30:00 AM	43762						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN	1:30:00 PM	43763						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN	3:30:00 PM	43764						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN.fx	9:30:00 AM	43765						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN.fx	11:30:00 AM	43766						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN.fx	1:30:00 PM	43767						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDPLN.fx	3:30:00 PM	43768						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDRUB	9:30:00 AM	43769						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	USDRUB	11:30:00 AM	43770						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDRUB	1:30:00 PM	43771						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDRUB	3:30:00 PM	43772						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK	9:30:00 AM	43773						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK	11:30:00 AM	43774						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK	1:30:00 PM	43775						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK	3:30:00 PM	43776						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK.fx	9:30:00 AM	43777						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK.fx	11:30:00 AM	43778						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK.fx	1:30:00 PM	43779						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSEK.fx	3:30:00 PM	43780						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD	9:30:00 AM	43781						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD	11:30:00 AM	43782						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD	1:30:00 PM	43783						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD	3:30:00 PM	43784						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD.fx	9:30:00 AM	43785						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD.fx	11:30:00 AM	43786						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD.fx	1:30:00 PM	43787						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDSGD.fx	3:30:00 PM	43788						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR	9:30:00 AM	43789						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR	11:30:00 AM	43790						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR	1:30:00 PM	43791						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR	3:30:00 PM	43792						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR.fx	9:30:00 AM	43793						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR.fx	11:30:00 AM	43794						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR.fx	1:30:00 PM	43795						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	USDZAR.fx	3:30:00 PM	43796						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	XAUUSD	9:30:00 AM	43797						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	XAUUSD	11:30:00 AM	43798						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	XAUUSD	1:30:00 PM	43799						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	XAUUSD	3:30:00 PM	43800						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY	9:30:00 AM	43801						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY	11:30:00 AM	43802						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY	1:30:00 PM	43803						Continuous Quote	N/A	ELECTRONIC	N/A

11/6/2019	ZARJPY	3:30:00 PM	43804						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY.fx	9:30:00 AM	43805						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY.fx	11:30:00 AM	43806						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY.fx	1:30:00 PM	43807						Continuous Quote	N/A	ELECTRONIC	N/A
11/6/2019	ZARJPY.fx	3:30:00 PM	43808						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AA	9:30:00 AM	43809						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AA	11:30:00 AM	43810						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AA	1:30:00 PM	43811						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AA	3:30:00 PM	43812						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AABA	9:30:00 AM	43813						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AABA	11:30:00 AM	43814						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AABA	1:30:00 PM	43815						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AABA	3:30:00 PM	43816						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAL	9:30:00 AM	43817						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAL	11:30:00 AM	43818						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAL	1:30:00 PM	43819						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAL	3:30:00 PM	43820						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAPL	9:30:00 AM	43821						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAPL	11:30:00 AM	43822						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAPL	1:30:00 PM	43823						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AAPL	3:30:00 PM	43824						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#ADBE	9:30:00 AM	43825						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#ADBE	11:30:00 AM	43826						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#ADBE	1:30:00 PM	43827						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#ADBE	3:30:00 PM	43828						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AIG	9:30:00 AM	43829						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AIG	11:30:00 AM	43830						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AIG	1:30:00 PM	43831						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AIG	3:30:00 PM	43832						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AMD	9:30:00 AM	43833						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AMD	11:30:00 AM	43834						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#AMD	1:30:00 PM	43835						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#ORAN	3:30:00 PM	44120						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#XOM	1:30:00 PM	44243						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	#XOM	3:30:00 PM	44244						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#YHOO	11:30:00 AM	44246						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#YHOO	3:30:00 PM	44248						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#ZNGA	11:30:00 AM	44250						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	#ZNGA	3:30:00 PM	44252						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	AUDCAD	11:30:00 AM	44254						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	AUDCAD	3:30:00 PM	44256						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	AUDCAD.fx	3:30:00 PM	44260						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	AUDDKK	1:30:00 PM	44275						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	AUDHUF	1:30:00 PM	44283						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	AUDHUF	3:30:00 PM	44284						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	AUDJPY	9:30:00 AM	44285						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	AUDJPY	11:30:00 AM	44286						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	BCHUSD	3:30:00 PM	44352						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CADCHF.fx	11:30:00 AM	44358						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CADDDKK	11:30:00 AM	44366						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CADHKD	3:30:00 PM	44372						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADHUF	9:30:00 AM	44373						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADHUF	11:30:00 AM	44374						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADHUF	1:30:00 PM	44375						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADHUF	3:30:00 PM	44376						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADJPY	9:30:00 AM	44377						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADJPY	11:30:00 AM	44378						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADJPY	1:30:00 PM	44379						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADJPY	3:30:00 PM	44380						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADJPY.fx	9:30:00 AM	44381						Continuous Quote	N/A	ELECTRONIC	N/A

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11/7/2019	CADSEK	3:30:00 PM	44400						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADSGD	9:30:00 AM	44401						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CADSGD	1:30:00 PM	44403						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CADZAR	9:30:00 AM	44405						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADZAR	11:30:00 AM	44406						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADZAR	1:30:00 PM	44407						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CADZAR	3:30:00 PM	44408						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CHFCZK	1:30:00 PM	44411						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFCZK	3:30:00 PM	44412						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFDKK	9:30:00 AM	44413						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFDKK	11:30:00 AM	44414						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CHFDKK	3:30:00 PM	44416						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CHFHKD	1:30:00 PM	44423						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFHKD	3:30:00 PM	44424						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFHUF	9:30:00 AM	44425						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFHUF	11:30:00 AM	44426						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	CHFMXN	11:30:00 AM	44438						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFMXN	1:30:00 PM	44439						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFMXN	3:30:00 PM	44440						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK	9:30:00 AM	44441						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK	11:30:00 AM	44442						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK	1:30:00 PM	44443						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK	3:30:00 PM	44444						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK.fx	9:30:00 AM	44445						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK.fx	11:30:00 AM	44446						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK.fx	1:30:00 PM	44447						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFNOK.fx	3:30:00 PM	44448						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN	9:30:00 AM	44449						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	CHFPLN	11:30:00 AM	44450						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN	1:30:00 PM	44451						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN	3:30:00 PM	44452						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN.fx	9:30:00 AM	44453						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN.fx	11:30:00 AM	44454						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN.fx	1:30:00 PM	44455						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFPLN.fx	3:30:00 PM	44456						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSEK	9:30:00 AM	44457						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSEK	11:30:00 AM	44458						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSEK	1:30:00 PM	44459						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSEK	3:30:00 PM	44460						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD	9:30:00 AM	44461						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD	11:30:00 AM	44462						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD	1:30:00 PM	44463						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD	3:30:00 PM	44464						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD.fx	9:30:00 AM	44465						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD.fx	11:30:00 AM	44466						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD.fx	1:30:00 PM	44467						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFSGD.fx	3:30:00 PM	44468						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFZAR	9:30:00 AM	44469						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFZAR	11:30:00 AM	44470						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFZAR	1:30:00 PM	44471						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CHFZAR	3:30:00 PM	44472						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CZKJPY	9:30:00 AM	44473						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CZKJPY	11:30:00 AM	44474						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CZKJPY	1:30:00 PM	44475						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	CZKJPY	3:30:00 PM	44476						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DAX30.i	9:30:00 AM	44477						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DAX30.i	11:30:00 AM	44478						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DAX30.i	1:30:00 PM	44479						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DAX30.i	3:30:00 PM	44480						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DJ30.i	9:30:00 AM	44481						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DJ30.i	11:30:00 AM	44482						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DJ30.i	1:30:00 PM	44483						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	DJ30.i	3:30:00 PM	44484						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DKKJPY	9:30:00 AM	44485						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DKKJPY	11:30:00 AM	44486						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DKKJPY	1:30:00 PM	44487						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	DKKJPY	3:30:00 PM	44488						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD	9:30:00 AM	44489						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD	11:30:00 AM	44490						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD	1:30:00 PM	44491						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD	3:30:00 PM	44492						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD.fx	9:30:00 AM	44493						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD.fx	11:30:00 AM	44494						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD.fx	1:30:00 PM	44495						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURAUD.fx	3:30:00 PM	44496						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD	9:30:00 AM	44497						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD	11:30:00 AM	44498						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD	1:30:00 PM	44499						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD	3:30:00 PM	44500						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD.fx	9:30:00 AM	44501						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD.fx	11:30:00 AM	44502						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD.fx	1:30:00 PM	44503						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCAD.fx	3:30:00 PM	44504						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF	9:30:00 AM	44505						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF	11:30:00 AM	44506						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF	1:30:00 PM	44507						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF	3:30:00 PM	44508						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF.fx	9:30:00 AM	44509						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF.fx	11:30:00 AM	44510						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF.fx	1:30:00 PM	44511						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCHF.fx	3:30:00 PM	44512						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCZK	9:30:00 AM	44513						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCZK	11:30:00 AM	44514						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCZK	1:30:00 PM	44515						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURCZK	3:30:00 PM	44516						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURDKK	9:30:00 AM	44517						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	EURDKK	11:30:00 AM	44518						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURDKK	1:30:00 PM	44519						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURDKK	3:30:00 PM	44520						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP	9:30:00 AM	44521						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP	11:30:00 AM	44522						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP	1:30:00 PM	44523						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP	3:30:00 PM	44524						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP.fx	9:30:00 AM	44525						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP.fx	11:30:00 AM	44526						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP.fx	1:30:00 PM	44527						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURGBP.fx	3:30:00 PM	44528						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD	9:30:00 AM	44529						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD	11:30:00 AM	44530						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD	1:30:00 PM	44531						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD	3:30:00 PM	44532						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD.fx	9:30:00 AM	44533						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD.fx	11:30:00 AM	44534						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD.fx	1:30:00 PM	44535						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHKD.fx	3:30:00 PM	44536						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF	9:30:00 AM	44537						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF	11:30:00 AM	44538						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF	1:30:00 PM	44539						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF	3:30:00 PM	44540						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF.fx	9:30:00 AM	44541						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF.fx	11:30:00 AM	44542						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF.fx	1:30:00 PM	44543						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURHUF.fx	3:30:00 PM	44544						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY	9:30:00 AM	44545						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY	11:30:00 AM	44546						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY	1:30:00 PM	44547						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY	3:30:00 PM	44548						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY.fx	9:30:00 AM	44549						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY.fx	11:30:00 AM	44550						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURJPY.fx	1:30:00 PM	44551						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	EURJPY.fx	3:30:00 PM	44552						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN	9:30:00 AM	44553						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN	11:30:00 AM	44554						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN	1:30:00 PM	44555						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN	3:30:00 PM	44556						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN.fx	9:30:00 AM	44557						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN.fx	11:30:00 AM	44558						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN.fx	1:30:00 PM	44559						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURMXN.fx	3:30:00 PM	44560						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK	9:30:00 AM	44561						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK	11:30:00 AM	44562						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK	1:30:00 PM	44563						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK	3:30:00 PM	44564						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK.fx	9:30:00 AM	44565						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK.fx	11:30:00 AM	44566						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK.fx	1:30:00 PM	44567						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNOK.fx	3:30:00 PM	44568						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD	9:30:00 AM	44569						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD	11:30:00 AM	44570						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD	1:30:00 PM	44571						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD	3:30:00 PM	44572						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD.fx	9:30:00 AM	44573						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD.fx	11:30:00 AM	44574						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD.fx	1:30:00 PM	44575						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURNZD.fx	3:30:00 PM	44576						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN	9:30:00 AM	44577						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN	11:30:00 AM	44578						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN	1:30:00 PM	44579						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN	3:30:00 PM	44580						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN.fx	9:30:00 AM	44581						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN.fx	11:30:00 AM	44582						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN.fx	1:30:00 PM	44583						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURPLN.fx	3:30:00 PM	44584						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURRUB	9:30:00 AM	44585						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	EURRUB	11:30:00 AM	44586						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURRUB	1:30:00 PM	44587						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURRUB	3:30:00 PM	44588						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK	9:30:00 AM	44589						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK	11:30:00 AM	44590						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK	1:30:00 PM	44591						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK	3:30:00 PM	44592						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK.fx	9:30:00 AM	44593						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK.fx	11:30:00 AM	44594						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK.fx	1:30:00 PM	44595						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSEK.fx	3:30:00 PM	44596						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD	9:30:00 AM	44597						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD	11:30:00 AM	44598						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD	1:30:00 PM	44599						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD	3:30:00 PM	44600						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD.fx	9:30:00 AM	44601						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD.fx	11:30:00 AM	44602						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD.fx	1:30:00 PM	44603						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURSGD.fx	3:30:00 PM	44604						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD	9:30:00 AM	44605						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD	11:30:00 AM	44606						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD	1:30:00 PM	44607						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD	3:30:00 PM	44608						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD.fx	9:30:00 AM	44609						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD.fx	11:30:00 AM	44610						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD.fx	1:30:00 PM	44611						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURUSD.fx	3:30:00 PM	44612						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR	9:30:00 AM	44613						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR	11:30:00 AM	44614						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR	1:30:00 PM	44615						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR	3:30:00 PM	44616						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR.fx	9:30:00 AM	44617						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR.fx	11:30:00 AM	44618						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	EURZAR.fx	1:30:00 PM	44619						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	EURZAR.fx	3:30:00 PM	44620						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD	9:30:00 AM	44621						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD	11:30:00 AM	44622						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD	1:30:00 PM	44623						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD	3:30:00 PM	44624						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD.fx	9:30:00 AM	44625						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD.fx	11:30:00 AM	44626						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD.fx	1:30:00 PM	44627						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPAUD.fx	3:30:00 PM	44628						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD	9:30:00 AM	44629						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD	11:30:00 AM	44630						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD	1:30:00 PM	44631						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD	3:30:00 PM	44632						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD.fx	9:30:00 AM	44633						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD.fx	11:30:00 AM	44634						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD.fx	1:30:00 PM	44635						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCAD.fx	3:30:00 PM	44636						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF	9:30:00 AM	44637						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF	11:30:00 AM	44638						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF	1:30:00 PM	44639						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF	3:30:00 PM	44640						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF.fx	9:30:00 AM	44641						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF.fx	11:30:00 AM	44642						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF.fx	1:30:00 PM	44643						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCHF.fx	3:30:00 PM	44644						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCZK	9:30:00 AM	44645						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCZK	11:30:00 AM	44646						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCZK	1:30:00 PM	44647						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPCZK	3:30:00 PM	44648						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK	9:30:00 AM	44649						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK	11:30:00 AM	44650						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK	1:30:00 PM	44651						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK	3:30:00 PM	44652						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK.fx	9:30:00 AM	44653						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	GBPDKK.fx	11:30:00 AM	44654						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK.fx	1:30:00 PM	44655						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPDKK.fx	3:30:00 PM	44656						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHKD	9:30:00 AM	44657						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHKD	11:30:00 AM	44658						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHKD	1:30:00 PM	44659						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHKD	3:30:00 PM	44660						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHUF	9:30:00 AM	44661						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHUF	11:30:00 AM	44662						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHUF	1:30:00 PM	44663						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPHUF	3:30:00 PM	44664						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY	9:30:00 AM	44665						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY	11:30:00 AM	44666						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY	1:30:00 PM	44667						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY	3:30:00 PM	44668						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY.fx	9:30:00 AM	44669						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY.fx	11:30:00 AM	44670						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY.fx	1:30:00 PM	44671						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPJPY.fx	3:30:00 PM	44672						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPMXN	9:30:00 AM	44673						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPMXN	11:30:00 AM	44674						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPMXN	1:30:00 PM	44675						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPMXN	3:30:00 PM	44676						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK	9:30:00 AM	44677						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK	11:30:00 AM	44678						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK	1:30:00 PM	44679						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK	3:30:00 PM	44680						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK.fx	9:30:00 AM	44681						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK.fx	11:30:00 AM	44682						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK.fx	1:30:00 PM	44683						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNOK.fx	3:30:00 PM	44684						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD	9:30:00 AM	44685						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD	11:30:00 AM	44686						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD	1:30:00 PM	44687						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	GBPNZD	3:30:00 PM	44688						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD.fx	9:30:00 AM	44689						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD.fx	11:30:00 AM	44690						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD.fx	1:30:00 PM	44691						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPNZD.fx	3:30:00 PM	44692						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN	9:30:00 AM	44693						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN	11:30:00 AM	44694						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN	1:30:00 PM	44695						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN	3:30:00 PM	44696						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN.fx	9:30:00 AM	44697						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN.fx	11:30:00 AM	44698						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN.fx	1:30:00 PM	44699						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPPLN.fx	3:30:00 PM	44700						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK	9:30:00 AM	44701						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK	11:30:00 AM	44702						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK	1:30:00 PM	44703						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK	3:30:00 PM	44704						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK.fx	9:30:00 AM	44705						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK.fx	11:30:00 AM	44706						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK.fx	1:30:00 PM	44707						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSEK.fx	3:30:00 PM	44708						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD	9:30:00 AM	44709						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD	11:30:00 AM	44710						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD	1:30:00 PM	44711						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD	3:30:00 PM	44712						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD.fx	9:30:00 AM	44713						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD.fx	11:30:00 AM	44714						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD.fx	1:30:00 PM	44715						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPSGD.fx	3:30:00 PM	44716						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD	9:30:00 AM	44717						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD	11:30:00 AM	44718						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD	1:30:00 PM	44719						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD	3:30:00 PM	44720						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD.fx	9:30:00 AM	44721						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	GBPUSD.fx	11:30:00 AM	44722						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD.fx	1:30:00 PM	44723						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPUSD.fx	3:30:00 PM	44724						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR	9:30:00 AM	44725						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR	11:30:00 AM	44726						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR	1:30:00 PM	44727						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR	3:30:00 PM	44728						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR.fx	9:30:00 AM	44729						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR.fx	11:30:00 AM	44730						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR.fx	1:30:00 PM	44731						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GBPZAR.fx	3:30:00 PM	44732						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GOLD	9:30:00 AM	44733						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GOLD	11:30:00 AM	44734						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GOLD	1:30:00 PM	44735						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	GOLD	3:30:00 PM	44736						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY	9:30:00 AM	44737						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY	11:30:00 AM	44738						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY	1:30:00 PM	44739						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY	3:30:00 PM	44740						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY.fx	9:30:00 AM	44741						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY.fx	11:30:00 AM	44742						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY.fx	1:30:00 PM	44743						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HKDJPY.fx	3:30:00 PM	44744						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HUFJPY	9:30:00 AM	44745						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HUFJPY	11:30:00 AM	44746						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HUFJPY	1:30:00 PM	44747						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	HUFJPY	3:30:00 PM	44748						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JP225.i	9:30:00 AM	44749						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JP225.i	11:30:00 AM	44750						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JP225.i	1:30:00 PM	44751						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JP225.i	3:30:00 PM	44752						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	MXNJPY	9:30:00 AM	44753						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	MXNJPY	11:30:00 AM	44754						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	MXNJPY	1:30:00 PM	44755						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	MXNJPY	3:30:00 PM	44756						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NASDAQ.i	9:30:00 AM	44757						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NASDAQ.i	11:30:00 AM	44758						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NASDAQ.i	1:30:00 PM	44759						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NASDAQ.i	3:30:00 PM	44760						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY	9:30:00 AM	44761						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY	11:30:00 AM	44762						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY	1:30:00 PM	44763						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY	3:30:00 PM	44764						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY.fx	9:30:00 AM	44765						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY.fx	11:30:00 AM	44766						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY.fx	1:30:00 PM	44767						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NOKJPY.fx	3:30:00 PM	44768						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD	9:30:00 AM	44769						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD	11:30:00 AM	44770						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD	1:30:00 PM	44771						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD	3:30:00 PM	44772						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD.fx	9:30:00 AM	44773						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD.fx	11:30:00 AM	44774						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD.fx	1:30:00 PM	44775						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCAD.fx	3:30:00 PM	44776						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF	9:30:00 AM	44777						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF	11:30:00 AM	44778						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF	1:30:00 PM	44779						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF	3:30:00 PM	44780						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF.fx	9:30:00 AM	44781						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF.fx	11:30:00 AM	44782						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF.fx	1:30:00 PM	44783						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCHF.fx	3:30:00 PM	44784						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCZK	9:30:00 AM	44785						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCZK	11:30:00 AM	44786						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCZK	1:30:00 PM	44787						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDCZK	3:30:00 PM	44788						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDDKK	9:30:00 AM	44789						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	NZDDKK	11:30:00 AM	44790						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDDKK	1:30:00 PM	44791						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDDKK	3:30:00 PM	44792						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHKD	9:30:00 AM	44793						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHKD	11:30:00 AM	44794						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHKD	1:30:00 PM	44795						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHKD	3:30:00 PM	44796						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHUF	9:30:00 AM	44797						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHUF	11:30:00 AM	44798						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHUF	1:30:00 PM	44799						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDHUF	3:30:00 PM	44800						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY	9:30:00 AM	44801						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY	11:30:00 AM	44802						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY	1:30:00 PM	44803						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY	3:30:00 PM	44804						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY.fx	9:30:00 AM	44805						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY.fx	11:30:00 AM	44806						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY.fx	1:30:00 PM	44807						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDJPY.fx	3:30:00 PM	44808						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDMXN	9:30:00 AM	44809						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDMXN	11:30:00 AM	44810						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDMXN	1:30:00 PM	44811						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDMXN	3:30:00 PM	44812						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDNOK	9:30:00 AM	44813						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDNOK	11:30:00 AM	44814						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDNOK	1:30:00 PM	44815						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDNOK	3:30:00 PM	44816						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDPLN	9:30:00 AM	44817						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDPLN	11:30:00 AM	44818						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDPLN	1:30:00 PM	44819						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDPLN	3:30:00 PM	44820						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSEK	9:30:00 AM	44821						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSEK	11:30:00 AM	44822						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSEK	1:30:00 PM	44823						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	NZDSEK	3:30:00 PM	44824						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD	9:30:00 AM	44825						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD	11:30:00 AM	44826						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD	1:30:00 PM	44827						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD	3:30:00 PM	44828						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD.fx	9:30:00 AM	44829						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD.fx	11:30:00 AM	44830						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD.fx	1:30:00 PM	44831						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDSGD.fx	3:30:00 PM	44832						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD	9:30:00 AM	44833						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD	11:30:00 AM	44834						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD	1:30:00 PM	44835						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD	3:30:00 PM	44836						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD.fx	9:30:00 AM	44837						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD.fx	11:30:00 AM	44838						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD.fx	1:30:00 PM	44839						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDUSD.fx	3:30:00 PM	44840						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDZAR	9:30:00 AM	44841						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDZAR	11:30:00 AM	44842						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDZAR	1:30:00 PM	44843						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	NZDZAR	3:30:00 PM	44844						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY	9:30:00 AM	44845						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY	11:30:00 AM	44846						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY	1:30:00 PM	44847						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY	3:30:00 PM	44848						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY.fx	9:30:00 AM	44849						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY.fx	11:30:00 AM	44850						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY.fx	1:30:00 PM	44851						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SEKJPY.fx	3:30:00 PM	44852						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SGDJPY	9:30:00 AM	44853						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SGDJPY	11:30:00 AM	44854						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SGDJPY	1:30:00 PM	44855						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SGDJPY	3:30:00 PM	44856						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SILVER	9:30:00 AM	44857						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	SILVER	11:30:00 AM	44858						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SILVER	1:30:00 PM	44859						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SILVER	3:30:00 PM	44860						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SPX500.i	9:30:00 AM	44861						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SPX500.i	11:30:00 AM	44862						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SPX500.i	1:30:00 PM	44863						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	SPX500.i	3:30:00 PM	44864						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	UK100.i	9:30:00 AM	44865						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	UK100.i	11:30:00 AM	44866						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	UK100.i	1:30:00 PM	44867						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	UK100.i	3:30:00 PM	44868						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD	9:30:00 AM	44869						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD	11:30:00 AM	44870						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD	1:30:00 PM	44871						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD	3:30:00 PM	44872						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD.fx	9:30:00 AM	44873						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD.fx	11:30:00 AM	44874						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD.fx	1:30:00 PM	44875						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCAD.fx	3:30:00 PM	44876						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF	9:30:00 AM	44877						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF	11:30:00 AM	44878						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF	1:30:00 PM	44879						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF	3:30:00 PM	44880						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF.fx	9:30:00 AM	44881						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF.fx	11:30:00 AM	44882						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF.fx	1:30:00 PM	44883						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCHF.fx	3:30:00 PM	44884						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK	9:30:00 AM	44885						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK	11:30:00 AM	44886						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK	1:30:00 PM	44887						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK	3:30:00 PM	44888						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK.fx	9:30:00 AM	44889						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK.fx	11:30:00 AM	44890						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDCZK.fx	1:30:00 PM	44891						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	USDCZK.fx	3:30:00 PM	44892						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK	9:30:00 AM	44893						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK	11:30:00 AM	44894						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK	1:30:00 PM	44895						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK	3:30:00 PM	44896						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK.fx	9:30:00 AM	44897						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK.fx	11:30:00 AM	44898						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK.fx	1:30:00 PM	44899						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDDKK.fx	3:30:00 PM	44900						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD	9:30:00 AM	44901						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD	11:30:00 AM	44902						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD	1:30:00 PM	44903						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD	3:30:00 PM	44904						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD.fx	9:30:00 AM	44905						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD.fx	11:30:00 AM	44906						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD.fx	1:30:00 PM	44907						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHKD.fx	3:30:00 PM	44908						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF	9:30:00 AM	44909						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF	11:30:00 AM	44910						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF	1:30:00 PM	44911						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF	3:30:00 PM	44912						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF.fx	9:30:00 AM	44913						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF.fx	11:30:00 AM	44914						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF.fx	1:30:00 PM	44915						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDHUF.fx	3:30:00 PM	44916						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDINR	9:30:00 AM	44917						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDINR	11:30:00 AM	44918						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDINR	1:30:00 PM	44919						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDINR	3:30:00 PM	44920						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY	9:30:00 AM	44921						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY	11:30:00 AM	44922						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY	1:30:00 PM	44923						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY	3:30:00 PM	44924						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY.fx	9:30:00 AM	44925						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	USDJPY.fx	11:30:00 AM	44926						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY.fx	1:30:00 PM	44927						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDJPY.fx	3:30:00 PM	44928						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDMXN	9:30:00 AM	44929						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDMXN	11:30:00 AM	44930						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDMXN	1:30:00 PM	44931						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDMXN	3:30:00 PM	44932						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JSDMXN.fx	9:30:00 AM	44933						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JSDMXN.fx	11:30:00 AM	44934						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JSDMXN.fx	1:30:00 PM	44935						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	JSDMXN.fx	3:30:00 PM	44936						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK	9:30:00 AM	44937						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK	11:30:00 AM	44938						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK	1:30:00 PM	44939						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK	3:30:00 PM	44940						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK.fx	9:30:00 AM	44941						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK.fx	11:30:00 AM	44942						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK.fx	1:30:00 PM	44943						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDNOK.fx	3:30:00 PM	44944						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN	9:30:00 AM	44945						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN	11:30:00 AM	44946						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN	1:30:00 PM	44947						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN	3:30:00 PM	44948						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN.fx	9:30:00 AM	44949						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN.fx	11:30:00 AM	44950						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN.fx	1:30:00 PM	44951						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDPLN.fx	3:30:00 PM	44952						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDRUB	9:30:00 AM	44953						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDRUB	11:30:00 AM	44954						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDRUB	1:30:00 PM	44955						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDRUB	3:30:00 PM	44956						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK	9:30:00 AM	44957						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK	11:30:00 AM	44958						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK	1:30:00 PM	44959						Continuous Quote	N/A	ELECTRONIC	N/A

11/7/2019	USDSEK	3:30:00 PM	44960						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK.fx	9:30:00 AM	44961						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK.fx	11:30:00 AM	44962						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK.fx	1:30:00 PM	44963						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSEK.fx	3:30:00 PM	44964						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD	9:30:00 AM	44965						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD	11:30:00 AM	44966						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD	1:30:00 PM	44967						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD	3:30:00 PM	44968						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD.fx	9:30:00 AM	44969						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD.fx	11:30:00 AM	44970						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD.fx	1:30:00 PM	44971						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDSGD.fx	3:30:00 PM	44972						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR	9:30:00 AM	44973						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR	11:30:00 AM	44974						Continuous Quote	N/A	ELECTRONIC	N/A
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11/7/2019	USDZAR	3:30:00 PM	44976						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR.fx	9:30:00 AM	44977						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR.fx	11:30:00 AM	44978						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR.fx	1:30:00 PM	44979						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	USDZAR.fx	3:30:00 PM	44980						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	XAUUSD	9:30:00 AM	44981						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	XAUUSD	11:30:00 AM	44982						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	XAUUSD	1:30:00 PM	44983						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	XAUUSD	3:30:00 PM	44984						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY	9:30:00 AM	44985						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY	11:30:00 AM	44986						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY	1:30:00 PM	44987						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY	3:30:00 PM	44988						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY.fx	9:30:00 AM	44989						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY.fx	11:30:00 AM	44990						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY.fx	1:30:00 PM	44991						Continuous Quote	N/A	ELECTRONIC	N/A
11/7/2019	ZARJPY.fx	3:30:00 PM	44992						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AA	9:30:00 AM	44993						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	#AA	11:30:00 AM	44994						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AA	1:30:00 PM	44995						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AA	3:30:00 PM	44996						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AABA	9:30:00 AM	44997						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AABA	11:30:00 AM	44998						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AABA	1:30:00 PM	44999						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AABA	3:30:00 PM	45000						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAL	9:30:00 AM	45001						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAL	11:30:00 AM	45002						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAL	1:30:00 PM	45003						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAL	3:30:00 PM	45004						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAPL	9:30:00 AM	45005						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAPL	11:30:00 AM	45006						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAPL	1:30:00 PM	45007						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AAPL	3:30:00 PM	45008						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ADBE	9:30:00 AM	45009						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ADBE	11:30:00 AM	45010						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ADBE	1:30:00 PM	45011						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ADBE	3:30:00 PM	45012						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AIG	9:30:00 AM	45013						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AIG	11:30:00 AM	45014						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AIG	1:30:00 PM	45015						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AIG	3:30:00 PM	45016						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMD	9:30:00 AM	45017						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMD	11:30:00 AM	45018						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMD	1:30:00 PM	45019						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMD	3:30:00 PM	45020						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMZN	9:30:00 AM	45021						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMZN	11:30:00 AM	45022						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMZN	1:30:00 PM	45023						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#AMZN	3:30:00 PM	45024						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	#YHOO	9:30:00 AM	45429						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#YHOO	11:30:00 AM	45430						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#YHOO	1:30:00 PM	45431						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#YHOO	3:30:00 PM	45432						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ZNGA	9:30:00 AM	45433						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ZNGA	11:30:00 AM	45434						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	#ZNGA	1:30:00 PM	45435						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	#ZNGA	3:30:00 PM	45436						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD	9:30:00 AM	45437						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD	11:30:00 AM	45438						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD	1:30:00 PM	45439						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD	3:30:00 PM	45440						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD.fx	9:30:00 AM	45441						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD.fx	11:30:00 AM	45442						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD.fx	1:30:00 PM	45443						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCAD.fx	3:30:00 PM	45444						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF	9:30:00 AM	45445						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF	11:30:00 AM	45446						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF	1:30:00 PM	45447						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF	3:30:00 PM	45448						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF.fx	9:30:00 AM	45449						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF.fx	11:30:00 AM	45450						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF.fx	1:30:00 PM	45451						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCHF.fx	3:30:00 PM	45452						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCZK	9:30:00 AM	45453						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCZK	11:30:00 AM	45454						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCZK	1:30:00 PM	45455						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDCZK	3:30:00 PM	45456						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDDKK	9:30:00 AM	45457						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDDKK	11:30:00 AM	45458						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDDKK	1:30:00 PM	45459						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDDKK	3:30:00 PM	45460						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHKD	9:30:00 AM	45461						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHKD	11:30:00 AM	45462						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHKD	1:30:00 PM	45463						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHKD	3:30:00 PM	45464						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHUF	9:30:00 AM	45465						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHUF	11:30:00 AM	45466						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHUF	1:30:00 PM	45467						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDHUF	3:30:00 PM	45468						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY	9:30:00 AM	45469						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	AUDJPY	11:30:00 AM	45470						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY	1:30:00 PM	45471						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY	3:30:00 PM	45472						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY.fx	9:30:00 AM	45473						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY.fx	11:30:00 AM	45474						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY.fx	1:30:00 PM	45475						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDJPY.fx	3:30:00 PM	45476						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDMXN	9:30:00 AM	45477						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDMXN	11:30:00 AM	45478						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDMXN	1:30:00 PM	45479						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDMXN	3:30:00 PM	45480						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK	9:30:00 AM	45481						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK	11:30:00 AM	45482						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK	1:30:00 PM	45483						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK	3:30:00 PM	45484						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK.fx	9:30:00 AM	45485						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK.fx	11:30:00 AM	45486						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK.fx	1:30:00 PM	45487						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNOK.fx	3:30:00 PM	45488						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNZD	9:30:00 AM	45489						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNZD	11:30:00 AM	45490						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNZD	1:30:00 PM	45491						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDNZD	3:30:00 PM	45492						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	AUDNZD.fx	11:30:00 AM	45494						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	AUDSEK	9:30:00 AM	45501						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK	11:30:00 AM	45502						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK	1:30:00 PM	45503						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	AUDSEK	3:30:00 PM	45504						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK.fx	9:30:00 AM	45505						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK.fx	11:30:00 AM	45506						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK.fx	1:30:00 PM	45507						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSEK.fx	3:30:00 PM	45508						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	AUDSGD	1:30:00 PM	45511						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSGD	3:30:00 PM	45512						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSGD.fx	9:30:00 AM	45513						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSGD.fx	11:30:00 AM	45514						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSGD.fx	1:30:00 PM	45515						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDSGD.fx	3:30:00 PM	45516						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD	9:30:00 AM	45517						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD	11:30:00 AM	45518						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD	1:30:00 PM	45519						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD	3:30:00 PM	45520						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD.fx	9:30:00 AM	45521						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD.fx	11:30:00 AM	45522						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD.fx	1:30:00 PM	45523						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDUSD.fx	3:30:00 PM	45524						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDZAR	9:30:00 AM	45525						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDZAR	11:30:00 AM	45526						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDZAR	1:30:00 PM	45527						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUDZAR	3:30:00 PM	45528						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUS200.i	9:30:00 AM	45529						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUS200.i	11:30:00 AM	45530						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUS200.i	1:30:00 PM	45531						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	AUS200.i	3:30:00 PM	45532						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	BCHUSD	9:30:00 AM	45533						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	BCHUSD	11:30:00 AM	45534						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	BCHUSD	1:30:00 PM	45535						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	BCHUSD	3:30:00 PM	45536						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCHF	9:30:00 AM	45537						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	CADCHF	11:30:00 AM	45538						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	CADCHF.fx	11:30:00 AM	45542						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCHF.fx	1:30:00 PM	45543						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCHF.fx	3:30:00 PM	45544						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCZK	9:30:00 AM	45545						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCZK	11:30:00 AM	45546						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCZK	1:30:00 PM	45547						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADCZK	3:30:00 PM	45548						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADDDKK	9:30:00 AM	45549						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADDDKK	11:30:00 AM	45550						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADDDKK	1:30:00 PM	45551						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADDDKK	3:30:00 PM	45552						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHKD	9:30:00 AM	45553						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHKD	11:30:00 AM	45554						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	CADHKD	3:30:00 PM	45556						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHUF	9:30:00 AM	45557						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHUF	11:30:00 AM	45558						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHUF	1:30:00 PM	45559						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADHUF	3:30:00 PM	45560						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY	9:30:00 AM	45561						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY	11:30:00 AM	45562						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY	1:30:00 PM	45563						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY	3:30:00 PM	45564						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY.fx	9:30:00 AM	45565						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY.fx	11:30:00 AM	45566						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY.fx	1:30:00 PM	45567						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADJPY.fx	3:30:00 PM	45568						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADMXN	9:30:00 AM	45569						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADMXN	11:30:00 AM	45570						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADMXN	1:30:00 PM	45571						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	CADMXN	3:30:00 PM	45572						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADNOK	9:30:00 AM	45573						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADNOK	11:30:00 AM	45574						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADNOK	1:30:00 PM	45575						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADNOK	3:30:00 PM	45576						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADPLN	9:30:00 AM	45577						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADPLN	11:30:00 AM	45578						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	CADSEK	3:30:00 PM	45584						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADSGD	9:30:00 AM	45585						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADSGD	11:30:00 AM	45586						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADSGD	1:30:00 PM	45587						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADSGD	3:30:00 PM	45588						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADZAR	9:30:00 AM	45589						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADZAR	11:30:00 AM	45590						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADZAR	1:30:00 PM	45591						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CADZAR	3:30:00 PM	45592						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFCZK	9:30:00 AM	45593						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFCZK	11:30:00 AM	45594						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFCZK	1:30:00 PM	45595						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFCZK	3:30:00 PM	45596						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK	9:30:00 AM	45597						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK	11:30:00 AM	45598						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK	1:30:00 PM	45599						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK	3:30:00 PM	45600						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK.fx	9:30:00 AM	45601						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK.fx	11:30:00 AM	45602						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK.fx	1:30:00 PM	45603						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFDKK.fx	3:30:00 PM	45604						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHKD	9:30:00 AM	45605						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	CHFHKD	11:30:00 AM	45606						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHKD	1:30:00 PM	45607						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHKD	3:30:00 PM	45608						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHUF	9:30:00 AM	45609						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHUF	11:30:00 AM	45610						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHUF	1:30:00 PM	45611						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFHUF	3:30:00 PM	45612						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY	9:30:00 AM	45613						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY	11:30:00 AM	45614						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY	1:30:00 PM	45615						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY	3:30:00 PM	45616						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY.fx	9:30:00 AM	45617						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY.fx	11:30:00 AM	45618						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY.fx	1:30:00 PM	45619						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFJPY.fx	3:30:00 PM	45620						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFMXN	9:30:00 AM	45621						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFMXN	11:30:00 AM	45622						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFMXN	1:30:00 PM	45623						Continuous Quote	N/A	ELECTRONIC	N/A
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11/8/2019	CHFNOK	11:30:00 AM	45626						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK	1:30:00 PM	45627						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK	3:30:00 PM	45628						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK.fx	9:30:00 AM	45629						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK.fx	11:30:00 AM	45630						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK.fx	1:30:00 PM	45631						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFNOK.fx	3:30:00 PM	45632						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN	9:30:00 AM	45633						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN	11:30:00 AM	45634						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN	1:30:00 PM	45635						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN	3:30:00 PM	45636						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN.fx	9:30:00 AM	45637						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN.fx	11:30:00 AM	45638						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFPLN.fx	1:30:00 PM	45639						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	CHFPLN.fx	3:30:00 PM	45640						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSEK	9:30:00 AM	45641						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSEK	11:30:00 AM	45642						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSEK	1:30:00 PM	45643						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSEK	3:30:00 PM	45644						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD	9:30:00 AM	45645						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD	11:30:00 AM	45646						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD	1:30:00 PM	45647						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD	3:30:00 PM	45648						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD.fx	9:30:00 AM	45649						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD.fx	11:30:00 AM	45650						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD.fx	1:30:00 PM	45651						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFSGD.fx	3:30:00 PM	45652						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFZAR	9:30:00 AM	45653						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFZAR	11:30:00 AM	45654						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFZAR	1:30:00 PM	45655						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CHFZAR	3:30:00 PM	45656						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CZKJPY	9:30:00 AM	45657						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CZKJPY	11:30:00 AM	45658						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CZKJPY	1:30:00 PM	45659						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	CZKJPY	3:30:00 PM	45660						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DAX30.i	9:30:00 AM	45661						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DAX30.i	11:30:00 AM	45662						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DAX30.i	1:30:00 PM	45663						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DAX30.i	3:30:00 PM	45664						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DJ30.i	9:30:00 AM	45665						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DJ30.i	11:30:00 AM	45666						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DJ30.i	1:30:00 PM	45667						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DJ30.i	3:30:00 PM	45668						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DKKJPY	9:30:00 AM	45669						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DKKJPY	11:30:00 AM	45670						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DKKJPY	1:30:00 PM	45671						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	DKKJPY	3:30:00 PM	45672						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD	9:30:00 AM	45673						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	EURAUD	11:30:00 AM	45674						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD	1:30:00 PM	45675						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD	3:30:00 PM	45676						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD.fx	9:30:00 AM	45677						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD.fx	11:30:00 AM	45678						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD.fx	1:30:00 PM	45679						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURAUD.fx	3:30:00 PM	45680						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD	9:30:00 AM	45681						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD	11:30:00 AM	45682						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD	1:30:00 PM	45683						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD	3:30:00 PM	45684						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD.fx	9:30:00 AM	45685						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD.fx	11:30:00 AM	45686						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD.fx	1:30:00 PM	45687						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCAD.fx	3:30:00 PM	45688						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF	9:30:00 AM	45689						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF	11:30:00 AM	45690						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF	1:30:00 PM	45691						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF	3:30:00 PM	45692						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF.fx	9:30:00 AM	45693						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF.fx	11:30:00 AM	45694						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF.fx	1:30:00 PM	45695						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCHF.fx	3:30:00 PM	45696						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCZK	9:30:00 AM	45697						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCZK	11:30:00 AM	45698						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCZK	1:30:00 PM	45699						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURCZK	3:30:00 PM	45700						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURDKK	9:30:00 AM	45701						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURDKK	11:30:00 AM	45702						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURDKK	1:30:00 PM	45703						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURDKK	3:30:00 PM	45704						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP	9:30:00 AM	45705						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP	11:30:00 AM	45706						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP	1:30:00 PM	45707						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	EURGBP	3:30:00 PM	45708						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP.fx	9:30:00 AM	45709						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP.fx	11:30:00 AM	45710						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP.fx	1:30:00 PM	45711						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURGBP.fx	3:30:00 PM	45712						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD	9:30:00 AM	45713						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD	11:30:00 AM	45714						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD	1:30:00 PM	45715						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD	3:30:00 PM	45716						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD.fx	9:30:00 AM	45717						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD.fx	11:30:00 AM	45718						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD.fx	1:30:00 PM	45719						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHKD.fx	3:30:00 PM	45720						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF	9:30:00 AM	45721						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF	11:30:00 AM	45722						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF	1:30:00 PM	45723						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF	3:30:00 PM	45724						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF.fx	9:30:00 AM	45725						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF.fx	11:30:00 AM	45726						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF.fx	1:30:00 PM	45727						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURHUF.fx	3:30:00 PM	45728						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY	9:30:00 AM	45729						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY	11:30:00 AM	45730						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY	1:30:00 PM	45731						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY	3:30:00 PM	45732						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY.fx	9:30:00 AM	45733						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY.fx	11:30:00 AM	45734						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY.fx	1:30:00 PM	45735						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURJPY.fx	3:30:00 PM	45736						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN	9:30:00 AM	45737						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN	11:30:00 AM	45738						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN	1:30:00 PM	45739						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN	3:30:00 PM	45740						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN.fx	9:30:00 AM	45741						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	EURMXN.fx	11:30:00 AM	45742						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN.fx	1:30:00 PM	45743						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURMXN.fx	3:30:00 PM	45744						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK	9:30:00 AM	45745						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK	11:30:00 AM	45746						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK	1:30:00 PM	45747						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK	3:30:00 PM	45748						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK.fx	9:30:00 AM	45749						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK.fx	11:30:00 AM	45750						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK.fx	1:30:00 PM	45751						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNOK.fx	3:30:00 PM	45752						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD	9:30:00 AM	45753						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD	11:30:00 AM	45754						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD	1:30:00 PM	45755						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD	3:30:00 PM	45756						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD.fx	9:30:00 AM	45757						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD.fx	11:30:00 AM	45758						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD.fx	1:30:00 PM	45759						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURNZD.fx	3:30:00 PM	45760						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN	9:30:00 AM	45761						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN	11:30:00 AM	45762						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN	1:30:00 PM	45763						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN	3:30:00 PM	45764						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN.fx	9:30:00 AM	45765						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN.fx	11:30:00 AM	45766						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN.fx	1:30:00 PM	45767						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURPLN.fx	3:30:00 PM	45768						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURRUB	9:30:00 AM	45769						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURRUB	11:30:00 AM	45770						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURRUB	1:30:00 PM	45771						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURRUB	3:30:00 PM	45772						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK	9:30:00 AM	45773						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK	11:30:00 AM	45774						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK	1:30:00 PM	45775						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	EURSEK	3:30:00 PM	45776						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK.fx	9:30:00 AM	45777						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK.fx	11:30:00 AM	45778						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK.fx	1:30:00 PM	45779						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSEK.fx	3:30:00 PM	45780						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD	9:30:00 AM	45781						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD	11:30:00 AM	45782						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD	1:30:00 PM	45783						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD	3:30:00 PM	45784						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD.fx	9:30:00 AM	45785						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD.fx	11:30:00 AM	45786						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD.fx	1:30:00 PM	45787						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURSGD.fx	3:30:00 PM	45788						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD	9:30:00 AM	45789						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD	11:30:00 AM	45790						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD	1:30:00 PM	45791						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD	3:30:00 PM	45792						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD.fx	9:30:00 AM	45793						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD.fx	11:30:00 AM	45794						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD.fx	1:30:00 PM	45795						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURUSD.fx	3:30:00 PM	45796						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR	9:30:00 AM	45797						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR	11:30:00 AM	45798						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR	1:30:00 PM	45799						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR	3:30:00 PM	45800						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR.fx	9:30:00 AM	45801						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR.fx	11:30:00 AM	45802						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR.fx	1:30:00 PM	45803						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	EURZAR.fx	3:30:00 PM	45804						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD	9:30:00 AM	45805						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD	11:30:00 AM	45806						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD	1:30:00 PM	45807						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD	3:30:00 PM	45808						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD.fx	9:30:00 AM	45809						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	GBPAUD.fx	11:30:00 AM	45810						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD.fx	1:30:00 PM	45811						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPAUD.fx	3:30:00 PM	45812						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD	9:30:00 AM	45813						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD	11:30:00 AM	45814						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD	1:30:00 PM	45815						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD	3:30:00 PM	45816						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD.fx	9:30:00 AM	45817						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD.fx	11:30:00 AM	45818						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD.fx	1:30:00 PM	45819						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCAD.fx	3:30:00 PM	45820						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF	9:30:00 AM	45821						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF	11:30:00 AM	45822						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF	1:30:00 PM	45823						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF	3:30:00 PM	45824						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF.fx	9:30:00 AM	45825						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF.fx	11:30:00 AM	45826						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF.fx	1:30:00 PM	45827						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCHF.fx	3:30:00 PM	45828						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCZK	9:30:00 AM	45829						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCZK	11:30:00 AM	45830						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCZK	1:30:00 PM	45831						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPCZK	3:30:00 PM	45832						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK	9:30:00 AM	45833						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK	11:30:00 AM	45834						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK	1:30:00 PM	45835						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK	3:30:00 PM	45836						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK.fx	9:30:00 AM	45837						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK.fx	11:30:00 AM	45838						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK.fx	1:30:00 PM	45839						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPDKK.fx	3:30:00 PM	45840						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHKD	9:30:00 AM	45841						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHKD	11:30:00 AM	45842						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHKD	1:30:00 PM	45843						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	GBPHKD	3:30:00 PM	45844						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHUF	9:30:00 AM	45845						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHUF	11:30:00 AM	45846						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHUF	1:30:00 PM	45847						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPHUF	3:30:00 PM	45848						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY	9:30:00 AM	45849						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY	11:30:00 AM	45850						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY	1:30:00 PM	45851						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY	3:30:00 PM	45852						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY.fx	9:30:00 AM	45853						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY.fx	11:30:00 AM	45854						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY.fx	1:30:00 PM	45855						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPJPY.fx	3:30:00 PM	45856						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPMXN	9:30:00 AM	45857						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPMXN	11:30:00 AM	45858						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPMXN	1:30:00 PM	45859						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPMXN	3:30:00 PM	45860						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK	9:30:00 AM	45861						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK	11:30:00 AM	45862						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK	1:30:00 PM	45863						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK	3:30:00 PM	45864						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK.fx	9:30:00 AM	45865						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK.fx	11:30:00 AM	45866						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK.fx	1:30:00 PM	45867						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNOK.fx	3:30:00 PM	45868						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD	9:30:00 AM	45869						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD	11:30:00 AM	45870						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD	1:30:00 PM	45871						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD	3:30:00 PM	45872						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD.fx	9:30:00 AM	45873						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD.fx	11:30:00 AM	45874						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD.fx	1:30:00 PM	45875						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPNZD.fx	3:30:00 PM	45876						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN	9:30:00 AM	45877						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	GBPPLN	11:30:00 AM	45878						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN	1:30:00 PM	45879						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN	3:30:00 PM	45880						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN.fx	9:30:00 AM	45881						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN.fx	11:30:00 AM	45882						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN.fx	1:30:00 PM	45883						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPPLN.fx	3:30:00 PM	45884						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK	9:30:00 AM	45885						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK	11:30:00 AM	45886						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK	1:30:00 PM	45887						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK	3:30:00 PM	45888						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK.fx	9:30:00 AM	45889						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK.fx	11:30:00 AM	45890						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK.fx	1:30:00 PM	45891						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSEK.fx	3:30:00 PM	45892						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD	9:30:00 AM	45893						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD	11:30:00 AM	45894						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD	1:30:00 PM	45895						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD	3:30:00 PM	45896						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD.fx	9:30:00 AM	45897						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD.fx	11:30:00 AM	45898						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD.fx	1:30:00 PM	45899						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPSGD.fx	3:30:00 PM	45900						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD	9:30:00 AM	45901						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD	11:30:00 AM	45902						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD	1:30:00 PM	45903						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD	3:30:00 PM	45904						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD.fx	9:30:00 AM	45905						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD.fx	11:30:00 AM	45906						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD.fx	1:30:00 PM	45907						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPUSD.fx	3:30:00 PM	45908						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR	9:30:00 AM	45909						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR	11:30:00 AM	45910						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR	1:30:00 PM	45911						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	GBPZAR	3:30:00 PM	45912						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR.fx	9:30:00 AM	45913						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR.fx	11:30:00 AM	45914						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR.fx	1:30:00 PM	45915						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GBPZAR.fx	3:30:00 PM	45916						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GOLD	9:30:00 AM	45917						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GOLD	11:30:00 AM	45918						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GOLD	1:30:00 PM	45919						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	GOLD	3:30:00 PM	45920						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY	9:30:00 AM	45921						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY	11:30:00 AM	45922						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY	1:30:00 PM	45923						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY	3:30:00 PM	45924						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY.fx	9:30:00 AM	45925						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY.fx	11:30:00 AM	45926						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY.fx	1:30:00 PM	45927						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HKDJPY.fx	3:30:00 PM	45928						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HUFJPY	9:30:00 AM	45929						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HUFJPY	11:30:00 AM	45930						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HUFJPY	1:30:00 PM	45931						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	HUFJPY	3:30:00 PM	45932						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	JP225.i	9:30:00 AM	45933						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	JP225.i	11:30:00 AM	45934						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	JP225.i	1:30:00 PM	45935						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	JP225.i	3:30:00 PM	45936						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	MXNJPY	9:30:00 AM	45937						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	MXNJPY	11:30:00 AM	45938						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	MXNJPY	1:30:00 PM	45939						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	MXNJPY	3:30:00 PM	45940						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NASDAQ.i	9:30:00 AM	45941						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NASDAQ.i	11:30:00 AM	45942						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NASDAQ.i	1:30:00 PM	45943						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NASDAQ.i	3:30:00 PM	45944						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY	9:30:00 AM	45945						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	NOKJPY	11:30:00 AM	45946						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY	1:30:00 PM	45947						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY	3:30:00 PM	45948						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY.fx	9:30:00 AM	45949						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY.fx	11:30:00 AM	45950						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY.fx	1:30:00 PM	45951						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NOKJPY.fx	3:30:00 PM	45952						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD	9:30:00 AM	45953						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD	11:30:00 AM	45954						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD	1:30:00 PM	45955						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD	3:30:00 PM	45956						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD.fx	9:30:00 AM	45957						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD.fx	11:30:00 AM	45958						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD.fx	1:30:00 PM	45959						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCAD.fx	3:30:00 PM	45960						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF	9:30:00 AM	45961						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF	11:30:00 AM	45962						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF	1:30:00 PM	45963						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF	3:30:00 PM	45964						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF.fx	9:30:00 AM	45965						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF.fx	11:30:00 AM	45966						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF.fx	1:30:00 PM	45967						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCHF.fx	3:30:00 PM	45968						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCZK	9:30:00 AM	45969						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCZK	11:30:00 AM	45970						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCZK	1:30:00 PM	45971						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDCZK	3:30:00 PM	45972						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDDKK	9:30:00 AM	45973						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDDKK	11:30:00 AM	45974						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDDKK	1:30:00 PM	45975						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDDKK	3:30:00 PM	45976						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHKD	9:30:00 AM	45977						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHKD	11:30:00 AM	45978						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHKD	1:30:00 PM	45979						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	NZDHKD	3:30:00 PM	45980						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHUF	9:30:00 AM	45981						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHUF	11:30:00 AM	45982						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHUF	1:30:00 PM	45983						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDHUF	3:30:00 PM	45984						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY	9:30:00 AM	45985						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY	11:30:00 AM	45986						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY	1:30:00 PM	45987						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY	3:30:00 PM	45988						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY.fx	9:30:00 AM	45989						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY.fx	11:30:00 AM	45990						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY.fx	1:30:00 PM	45991						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDJPY.fx	3:30:00 PM	45992						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDMXN	9:30:00 AM	45993						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDMXN	11:30:00 AM	45994						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDMXN	1:30:00 PM	45995						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDMXN	3:30:00 PM	45996						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDNOK	9:30:00 AM	45997						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDNOK	11:30:00 AM	45998						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDNOK	1:30:00 PM	45999						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDNOK	3:30:00 PM	46000						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDPLN	9:30:00 AM	46001						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDPLN	11:30:00 AM	46002						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDPLN	1:30:00 PM	46003						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDPLN	3:30:00 PM	46004						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSEK	9:30:00 AM	46005						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSEK	11:30:00 AM	46006						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSEK	1:30:00 PM	46007						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSEK	3:30:00 PM	46008						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD	9:30:00 AM	46009						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD	11:30:00 AM	46010						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD	1:30:00 PM	46011						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD	3:30:00 PM	46012						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD.fx	9:30:00 AM	46013						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	NZDSGD.fx	11:30:00 AM	46014						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD.fx	1:30:00 PM	46015						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDSGD.fx	3:30:00 PM	46016						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD	9:30:00 AM	46017						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD	11:30:00 AM	46018						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD	1:30:00 PM	46019						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD	3:30:00 PM	46020						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD.fx	9:30:00 AM	46021						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD.fx	11:30:00 AM	46022						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD.fx	1:30:00 PM	46023						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDUSD.fx	3:30:00 PM	46024						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDZAR	9:30:00 AM	46025						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDZAR	11:30:00 AM	46026						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDZAR	1:30:00 PM	46027						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	NZDZAR	3:30:00 PM	46028						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY	9:30:00 AM	46029						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY	11:30:00 AM	46030						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY	1:30:00 PM	46031						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY	3:30:00 PM	46032						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY.fx	9:30:00 AM	46033						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY.fx	11:30:00 AM	46034						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY.fx	1:30:00 PM	46035						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SEKJPY.fx	3:30:00 PM	46036						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SGDJPY	9:30:00 AM	46037						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SGDJPY	11:30:00 AM	46038						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SGDJPY	1:30:00 PM	46039						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SGDJPY	3:30:00 PM	46040						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SILVER	9:30:00 AM	46041						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SILVER	11:30:00 AM	46042						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SILVER	1:30:00 PM	46043						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SILVER	3:30:00 PM	46044						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SPX500.i	9:30:00 AM	46045						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SPX500.i	11:30:00 AM	46046						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	SPX500.i	1:30:00 PM	46047						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	SPX500.i	3:30:00 PM	46048						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	UK100.i	9:30:00 AM	46049						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	UK100.i	11:30:00 AM	46050						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	UK100.i	1:30:00 PM	46051						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	UK100.i	3:30:00 PM	46052						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD	9:30:00 AM	46053						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD	11:30:00 AM	46054						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD	1:30:00 PM	46055						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD	3:30:00 PM	46056						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD.fx	9:30:00 AM	46057						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD.fx	11:30:00 AM	46058						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD.fx	1:30:00 PM	46059						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCAD.fx	3:30:00 PM	46060						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF	9:30:00 AM	46061						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF	11:30:00 AM	46062						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF	1:30:00 PM	46063						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF	3:30:00 PM	46064						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF.fx	9:30:00 AM	46065						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF.fx	11:30:00 AM	46066						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF.fx	1:30:00 PM	46067						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCHF.fx	3:30:00 PM	46068						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK	9:30:00 AM	46069						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK	11:30:00 AM	46070						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK	1:30:00 PM	46071						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK	3:30:00 PM	46072						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK.fx	9:30:00 AM	46073						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK.fx	11:30:00 AM	46074						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK.fx	1:30:00 PM	46075						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDCZK.fx	3:30:00 PM	46076						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK	9:30:00 AM	46077						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK	11:30:00 AM	46078						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK	1:30:00 PM	46079						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK	3:30:00 PM	46080						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK.fx	9:30:00 AM	46081						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	USDDKK.fx	11:30:00 AM	46082						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK.fx	1:30:00 PM	46083						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDDKK.fx	3:30:00 PM	46084						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD	9:30:00 AM	46085						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD	11:30:00 AM	46086						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD	1:30:00 PM	46087						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD	3:30:00 PM	46088						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD.fx	9:30:00 AM	46089						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD.fx	11:30:00 AM	46090						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD.fx	1:30:00 PM	46091						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHKD.fx	3:30:00 PM	46092						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF	9:30:00 AM	46093						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF	11:30:00 AM	46094						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF	1:30:00 PM	46095						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF	3:30:00 PM	46096						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF.fx	9:30:00 AM	46097						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF.fx	11:30:00 AM	46098						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF.fx	1:30:00 PM	46099						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDHUF.fx	3:30:00 PM	46100						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDINR	9:30:00 AM	46101						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDINR	11:30:00 AM	46102						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDINR	1:30:00 PM	46103						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDINR	3:30:00 PM	46104						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY	9:30:00 AM	46105						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY	11:30:00 AM	46106						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY	1:30:00 PM	46107						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY	3:30:00 PM	46108						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY.fx	9:30:00 AM	46109						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY.fx	11:30:00 AM	46110						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY.fx	1:30:00 PM	46111						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDJPY.fx	3:30:00 PM	46112						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN	9:30:00 AM	46113						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN	11:30:00 AM	46114						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN	1:30:00 PM	46115						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	USDMXN	3:30:00 PM	46116						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN.fx	9:30:00 AM	46117						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN.fx	11:30:00 AM	46118						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN.fx	1:30:00 PM	46119						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDMXN.fx	3:30:00 PM	46120						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK	9:30:00 AM	46121						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK	11:30:00 AM	46122						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK	1:30:00 PM	46123						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK	3:30:00 PM	46124						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK.fx	9:30:00 AM	46125						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK.fx	11:30:00 AM	46126						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK.fx	1:30:00 PM	46127						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDNOK.fx	3:30:00 PM	46128						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN	9:30:00 AM	46129						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN	11:30:00 AM	46130						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN	1:30:00 PM	46131						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN	3:30:00 PM	46132						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN.fx	9:30:00 AM	46133						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN.fx	11:30:00 AM	46134						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN.fx	1:30:00 PM	46135						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDPLN.fx	3:30:00 PM	46136						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDRUB	9:30:00 AM	46137						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDRUB	11:30:00 AM	46138						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDRUB	1:30:00 PM	46139						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDRUB	3:30:00 PM	46140						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK	9:30:00 AM	46141						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK	11:30:00 AM	46142						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK	1:30:00 PM	46143						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK	3:30:00 PM	46144						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK.fx	9:30:00 AM	46145						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK.fx	11:30:00 AM	46146						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK.fx	1:30:00 PM	46147						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSEK.fx	3:30:00 PM	46148						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD	9:30:00 AM	46149						Continuous Quote	N/A	ELECTRONIC	N/A

11/8/2019	USDSGD	11:30:00 AM	46150						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD	1:30:00 PM	46151						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD	3:30:00 PM	46152						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD.fx	9:30:00 AM	46153						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD.fx	11:30:00 AM	46154						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD.fx	1:30:00 PM	46155						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDSGD.fx	3:30:00 PM	46156						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR	9:30:00 AM	46157						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR	11:30:00 AM	46158						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR	1:30:00 PM	46159						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR	3:30:00 PM	46160						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR.fx	9:30:00 AM	46161						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR.fx	11:30:00 AM	46162						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR.fx	1:30:00 PM	46163						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	USDZAR.fx	3:30:00 PM	46164						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	XAUUSD	9:30:00 AM	46165						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	XAUUSD	11:30:00 AM	46166						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	XAUUSD	1:30:00 PM	46167						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	XAUUSD	3:30:00 PM	46168						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY	9:30:00 AM	46169						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY	11:30:00 AM	46170						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY	1:30:00 PM	46171						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY	3:30:00 PM	46172						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY.fx	9:30:00 AM	46173						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY.fx	11:30:00 AM	46174						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY.fx	1:30:00 PM	46175						Continuous Quote	N/A	ELECTRONIC	N/A
11/8/2019	ZARJPY.fx	3:30:00 PM	46176						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AA	9:30:00 AM	46177						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AA	11:30:00 AM	46178						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AA	1:30:00 PM	46179						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AA	3:30:00 PM	46180						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AABA	9:30:00 AM	46181						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AABA	11:30:00 AM	46182						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AABA	1:30:00 PM	46183						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	#AABA	3:30:00 PM	46184						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAL	9:30:00 AM	46185						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAL	11:30:00 AM	46186						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAL	1:30:00 PM	46187						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAL	3:30:00 PM	46188						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAPL	9:30:00 AM	46189						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAPL	11:30:00 AM	46190						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAPL	1:30:00 PM	46191						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AAPL	3:30:00 PM	46192						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#ADBE	9:30:00 AM	46193						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#ADBE	11:30:00 AM	46194						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#ADBE	1:30:00 PM	46195						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#ADBE	3:30:00 PM	46196						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AIG	9:30:00 AM	46197						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AIG	11:30:00 AM	46198						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AIG	1:30:00 PM	46199						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AIG	3:30:00 PM	46200						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMD	9:30:00 AM	46201						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMD	11:30:00 AM	46202						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMD	1:30:00 PM	46203						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMD	3:30:00 PM	46204						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMZN	9:30:00 AM	46205						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMZN	11:30:00 AM	46206						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMZN	1:30:00 PM	46207						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AMZN	3:30:00 PM	46208						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AXP	9:30:00 AM	46209						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AXP	11:30:00 AM	46210						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AXP	1:30:00 PM	46211						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#AXP	3:30:00 PM	46212						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#BA	9:30:00 AM	46213						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	#BA	11:30:00 AM	46214						Continuous Quote	N/A	ELECTRONIC	N/A
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11/9/2019	#ZNGA	11:30:00 AM	46618						Continuous Quote	N/A	ELECTRONIC	N/A
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11/9/2019	#ZNGA	3:30:00 PM	46620						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD	9:30:00 AM	46621						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD	11:30:00 AM	46622						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD	1:30:00 PM	46623						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD	3:30:00 PM	46624						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD.fx	9:30:00 AM	46625						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	AUDCAD.fx	11:30:00 AM	46626						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD.fx	1:30:00 PM	46627						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCAD.fx	3:30:00 PM	46628						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF	9:30:00 AM	46629						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF	11:30:00 AM	46630						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF	1:30:00 PM	46631						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF	3:30:00 PM	46632						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF.fx	9:30:00 AM	46633						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF.fx	11:30:00 AM	46634						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF.fx	1:30:00 PM	46635						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCHF.fx	3:30:00 PM	46636						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCZK	9:30:00 AM	46637						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCZK	11:30:00 AM	46638						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCZK	1:30:00 PM	46639						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDCZK	3:30:00 PM	46640						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDDKK	9:30:00 AM	46641						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDDKK	11:30:00 AM	46642						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDDKK	1:30:00 PM	46643						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDDKK	3:30:00 PM	46644						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHKD	9:30:00 AM	46645						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHKD	11:30:00 AM	46646						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHKD	1:30:00 PM	46647						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHKD	3:30:00 PM	46648						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHUF	9:30:00 AM	46649						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHUF	11:30:00 AM	46650						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHUF	1:30:00 PM	46651						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDHUF	3:30:00 PM	46652						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY	9:30:00 AM	46653						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY	11:30:00 AM	46654						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY	1:30:00 PM	46655						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY	3:30:00 PM	46656						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY.fx	9:30:00 AM	46657						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY.fx	11:30:00 AM	46658						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDJPY.fx	1:30:00 PM	46659						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	AUDJPY.fx	3:30:00 PM	46660						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDMXN	9:30:00 AM	46661						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDMXN	11:30:00 AM	46662						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDMXN	1:30:00 PM	46663						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDMXN	3:30:00 PM	46664						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK	9:30:00 AM	46665						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK	11:30:00 AM	46666						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK	1:30:00 PM	46667						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK	3:30:00 PM	46668						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK.fx	9:30:00 AM	46669						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK.fx	11:30:00 AM	46670						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK.fx	1:30:00 PM	46671						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNOK.fx	3:30:00 PM	46672						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD	9:30:00 AM	46673						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD	11:30:00 AM	46674						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD	1:30:00 PM	46675						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD	3:30:00 PM	46676						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD.fx	9:30:00 AM	46677						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD.fx	11:30:00 AM	46678						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD.fx	1:30:00 PM	46679						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDNZD.fx	3:30:00 PM	46680						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDPLN	9:30:00 AM	46681						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDPLN	11:30:00 AM	46682						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDPLN	1:30:00 PM	46683						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDPLN	3:30:00 PM	46684						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK	9:30:00 AM	46685						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK	11:30:00 AM	46686						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK	1:30:00 PM	46687						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK	3:30:00 PM	46688						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK.fx	9:30:00 AM	46689						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK.fx	11:30:00 AM	46690						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK.fx	1:30:00 PM	46691						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSEK.fx	3:30:00 PM	46692						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD	9:30:00 AM	46693						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	AUDSGD	11:30:00 AM	46694						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD	1:30:00 PM	46695						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD	3:30:00 PM	46696						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD.fx	9:30:00 AM	46697						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD.fx	11:30:00 AM	46698						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD.fx	1:30:00 PM	46699						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDSGD.fx	3:30:00 PM	46700						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD	9:30:00 AM	46701						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD	11:30:00 AM	46702						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD	1:30:00 PM	46703						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD	3:30:00 PM	46704						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD.fx	9:30:00 AM	46705						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD.fx	11:30:00 AM	46706						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD.fx	1:30:00 PM	46707						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDUSD.fx	3:30:00 PM	46708						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDZAR	9:30:00 AM	46709						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDZAR	11:30:00 AM	46710						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDZAR	1:30:00 PM	46711						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUDZAR	3:30:00 PM	46712						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUS200.i	9:30:00 AM	46713						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUS200.i	11:30:00 AM	46714						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUS200.i	1:30:00 PM	46715						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	AUS200.i	3:30:00 PM	46716						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	BCHUSD	9:30:00 AM	46717						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	BCHUSD	11:30:00 AM	46718						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	BCHUSD	1:30:00 PM	46719						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	BCHUSD	3:30:00 PM	46720						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF	9:30:00 AM	46721						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF	11:30:00 AM	46722						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF	1:30:00 PM	46723						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF	3:30:00 PM	46724						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF.fx	9:30:00 AM	46725						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF.fx	11:30:00 AM	46726						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCHF.fx	1:30:00 PM	46727						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	CADCHF.fx	3:30:00 PM	46728						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCZK	9:30:00 AM	46729						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCZK	11:30:00 AM	46730						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCZK	1:30:00 PM	46731						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADCZK	3:30:00 PM	46732						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADDDK	9:30:00 AM	46733						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADDDK	11:30:00 AM	46734						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADDDK	1:30:00 PM	46735						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADDDK	3:30:00 PM	46736						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHKD	9:30:00 AM	46737						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHKD	11:30:00 AM	46738						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHKD	1:30:00 PM	46739						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHKD	3:30:00 PM	46740						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHUF	9:30:00 AM	46741						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHUF	11:30:00 AM	46742						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHUF	1:30:00 PM	46743						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADHUF	3:30:00 PM	46744						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY	9:30:00 AM	46745						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY	11:30:00 AM	46746						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY	1:30:00 PM	46747						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY	3:30:00 PM	46748						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY.fx	9:30:00 AM	46749						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY.fx	11:30:00 AM	46750						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY.fx	1:30:00 PM	46751						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADJPY.fx	3:30:00 PM	46752						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADMXN	9:30:00 AM	46753						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADMXN	11:30:00 AM	46754						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADMXN	1:30:00 PM	46755						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADMXN	3:30:00 PM	46756						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADNOK	9:30:00 AM	46757						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADNOK	11:30:00 AM	46758						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADNOK	1:30:00 PM	46759						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADNOK	3:30:00 PM	46760						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADPLN	9:30:00 AM	46761						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	CADPLN	11:30:00 AM	46762						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADPLN	1:30:00 PM	46763						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADPLN	3:30:00 PM	46764						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSEK	9:30:00 AM	46765						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSEK	11:30:00 AM	46766						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSEK	1:30:00 PM	46767						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSEK	3:30:00 PM	46768						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSGD	9:30:00 AM	46769						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSGD	11:30:00 AM	46770						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSGD	1:30:00 PM	46771						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADSGD	3:30:00 PM	46772						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADZAR	9:30:00 AM	46773						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADZAR	11:30:00 AM	46774						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADZAR	1:30:00 PM	46775						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CADZAR	3:30:00 PM	46776						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFCZK	9:30:00 AM	46777						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFCZK	11:30:00 AM	46778						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFCZK	1:30:00 PM	46779						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFCZK	3:30:00 PM	46780						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK	9:30:00 AM	46781						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK	11:30:00 AM	46782						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK	1:30:00 PM	46783						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK	3:30:00 PM	46784						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK.fx	9:30:00 AM	46785						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK.fx	11:30:00 AM	46786						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK.fx	1:30:00 PM	46787						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFDKK.fx	3:30:00 PM	46788						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHKD	9:30:00 AM	46789						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHKD	11:30:00 AM	46790						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHKD	1:30:00 PM	46791						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHKD	3:30:00 PM	46792						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHUF	9:30:00 AM	46793						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHUF	11:30:00 AM	46794						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFHUF	1:30:00 PM	46795						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	CHFHFUF	3:30:00 PM	46796						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY	9:30:00 AM	46797						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY	11:30:00 AM	46798						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY	1:30:00 PM	46799						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY	3:30:00 PM	46800						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY.fx	9:30:00 AM	46801						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY.fx	11:30:00 AM	46802						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY.fx	1:30:00 PM	46803						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFJPY.fx	3:30:00 PM	46804						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFMXN	9:30:00 AM	46805						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFMXN	11:30:00 AM	46806						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFMXN	1:30:00 PM	46807						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFMXN	3:30:00 PM	46808						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK	9:30:00 AM	46809						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK	11:30:00 AM	46810						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK	1:30:00 PM	46811						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK	3:30:00 PM	46812						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK.fx	9:30:00 AM	46813						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK.fx	11:30:00 AM	46814						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK.fx	1:30:00 PM	46815						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFNOK.fx	3:30:00 PM	46816						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN	9:30:00 AM	46817						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN	11:30:00 AM	46818						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN	1:30:00 PM	46819						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN	3:30:00 PM	46820						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN.fx	9:30:00 AM	46821						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN.fx	11:30:00 AM	46822						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN.fx	1:30:00 PM	46823						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFPLN.fx	3:30:00 PM	46824						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSEK	9:30:00 AM	46825						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSEK	11:30:00 AM	46826						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSEK	1:30:00 PM	46827						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSEK	3:30:00 PM	46828						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD	9:30:00 AM	46829						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	CHFSGD	11:30:00 AM	46830						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD	1:30:00 PM	46831						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD	3:30:00 PM	46832						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD.fx	9:30:00 AM	46833						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD.fx	11:30:00 AM	46834						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD.fx	1:30:00 PM	46835						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFSGD.fx	3:30:00 PM	46836						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFZAR	9:30:00 AM	46837						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFZAR	11:30:00 AM	46838						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFZAR	1:30:00 PM	46839						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CHFZAR	3:30:00 PM	46840						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CZKJPY	9:30:00 AM	46841						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CZKJPY	11:30:00 AM	46842						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CZKJPY	1:30:00 PM	46843						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	CZKJPY	3:30:00 PM	46844						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DAX30.i	9:30:00 AM	46845						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DAX30.i	11:30:00 AM	46846						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DAX30.i	1:30:00 PM	46847						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DAX30.i	3:30:00 PM	46848						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DJ30.i	9:30:00 AM	46849						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DJ30.i	11:30:00 AM	46850						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DJ30.i	1:30:00 PM	46851						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DJ30.i	3:30:00 PM	46852						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DKKJPY	9:30:00 AM	46853						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DKKJPY	11:30:00 AM	46854						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DKKJPY	1:30:00 PM	46855						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	DKKJPY	3:30:00 PM	46856						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD	9:30:00 AM	46857						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD	11:30:00 AM	46858						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD	1:30:00 PM	46859						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD	3:30:00 PM	46860						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD.fx	9:30:00 AM	46861						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD.fx	11:30:00 AM	46862						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURAUD.fx	1:30:00 PM	46863						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	EURAUD.fx	3:30:00 PM	46864						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD	9:30:00 AM	46865						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD	11:30:00 AM	46866						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD	1:30:00 PM	46867						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD	3:30:00 PM	46868						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD.fx	9:30:00 AM	46869						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD.fx	11:30:00 AM	46870						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD.fx	1:30:00 PM	46871						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCAD.fx	3:30:00 PM	46872						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF	9:30:00 AM	46873						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF	11:30:00 AM	46874						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF	1:30:00 PM	46875						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF	3:30:00 PM	46876						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF.fx	9:30:00 AM	46877						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF.fx	11:30:00 AM	46878						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF.fx	1:30:00 PM	46879						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCHF.fx	3:30:00 PM	46880						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCZK	9:30:00 AM	46881						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCZK	11:30:00 AM	46882						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCZK	1:30:00 PM	46883						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURCZK	3:30:00 PM	46884						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURDKK	9:30:00 AM	46885						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURDKK	11:30:00 AM	46886						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURDKK	1:30:00 PM	46887						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURDKK	3:30:00 PM	46888						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP	9:30:00 AM	46889						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP	11:30:00 AM	46890						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP	1:30:00 PM	46891						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP	3:30:00 PM	46892						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP.fx	9:30:00 AM	46893						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP.fx	11:30:00 AM	46894						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP.fx	1:30:00 PM	46895						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURGBP.fx	3:30:00 PM	46896						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD	9:30:00 AM	46897						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	EURHKD	11:30:00 AM	46898						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD	1:30:00 PM	46899						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD	3:30:00 PM	46900						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD.fx	9:30:00 AM	46901						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD.fx	11:30:00 AM	46902						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD.fx	1:30:00 PM	46903						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHKD.fx	3:30:00 PM	46904						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF	9:30:00 AM	46905						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF	11:30:00 AM	46906						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF	1:30:00 PM	46907						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF	3:30:00 PM	46908						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF.fx	9:30:00 AM	46909						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF.fx	11:30:00 AM	46910						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF.fx	1:30:00 PM	46911						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURHUF.fx	3:30:00 PM	46912						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY	9:30:00 AM	46913						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY	11:30:00 AM	46914						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY	1:30:00 PM	46915						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY	3:30:00 PM	46916						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY.fx	9:30:00 AM	46917						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY.fx	11:30:00 AM	46918						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY.fx	1:30:00 PM	46919						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURJPY.fx	3:30:00 PM	46920						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN	9:30:00 AM	46921						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN	11:30:00 AM	46922						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN	1:30:00 PM	46923						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN	3:30:00 PM	46924						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN.fx	9:30:00 AM	46925						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN.fx	11:30:00 AM	46926						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN.fx	1:30:00 PM	46927						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURMXN.fx	3:30:00 PM	46928						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK	9:30:00 AM	46929						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK	11:30:00 AM	46930						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK	1:30:00 PM	46931						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	EURNOK	3:30:00 PM	46932						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK.fx	9:30:00 AM	46933						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK.fx	11:30:00 AM	46934						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK.fx	1:30:00 PM	46935						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNOK.fx	3:30:00 PM	46936						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD	9:30:00 AM	46937						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD	11:30:00 AM	46938						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD	1:30:00 PM	46939						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD	3:30:00 PM	46940						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD.fx	9:30:00 AM	46941						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD.fx	11:30:00 AM	46942						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD.fx	1:30:00 PM	46943						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURNZD.fx	3:30:00 PM	46944						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN	9:30:00 AM	46945						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN	11:30:00 AM	46946						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN	1:30:00 PM	46947						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN	3:30:00 PM	46948						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN.fx	9:30:00 AM	46949						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN.fx	11:30:00 AM	46950						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN.fx	1:30:00 PM	46951						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURPLN.fx	3:30:00 PM	46952						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURRUB	9:30:00 AM	46953						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURRUB	11:30:00 AM	46954						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURRUB	1:30:00 PM	46955						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURRUB	3:30:00 PM	46956						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK	9:30:00 AM	46957						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK	11:30:00 AM	46958						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK	1:30:00 PM	46959						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK	3:30:00 PM	46960						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK.fx	9:30:00 AM	46961						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK.fx	11:30:00 AM	46962						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK.fx	1:30:00 PM	46963						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSEK.fx	3:30:00 PM	46964						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD	9:30:00 AM	46965						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	EURSGD	11:30:00 AM	46966						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD	1:30:00 PM	46967						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD	3:30:00 PM	46968						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD.fx	9:30:00 AM	46969						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD.fx	11:30:00 AM	46970						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD.fx	1:30:00 PM	46971						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURSGD.fx	3:30:00 PM	46972						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD	9:30:00 AM	46973						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD	11:30:00 AM	46974						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD	1:30:00 PM	46975						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD	3:30:00 PM	46976						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD.fx	9:30:00 AM	46977						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD.fx	11:30:00 AM	46978						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD.fx	1:30:00 PM	46979						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURUSD.fx	3:30:00 PM	46980						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR	9:30:00 AM	46981						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR	11:30:00 AM	46982						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR	1:30:00 PM	46983						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR	3:30:00 PM	46984						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR.fx	9:30:00 AM	46985						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR.fx	11:30:00 AM	46986						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR.fx	1:30:00 PM	46987						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	EURZAR.fx	3:30:00 PM	46988						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD	9:30:00 AM	46989						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD	11:30:00 AM	46990						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD	1:30:00 PM	46991						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD	3:30:00 PM	46992						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD.fx	9:30:00 AM	46993						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD.fx	11:30:00 AM	46994						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD.fx	1:30:00 PM	46995						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPAUD.fx	3:30:00 PM	46996						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD	9:30:00 AM	46997						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD	11:30:00 AM	46998						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD	1:30:00 PM	46999						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	GBPCAD	3:30:00 PM	47000						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD.fx	9:30:00 AM	47001						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD.fx	11:30:00 AM	47002						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD.fx	1:30:00 PM	47003						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCAD.fx	3:30:00 PM	47004						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF	9:30:00 AM	47005						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF	11:30:00 AM	47006						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF	1:30:00 PM	47007						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF	3:30:00 PM	47008						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF.fx	9:30:00 AM	47009						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF.fx	11:30:00 AM	47010						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF.fx	1:30:00 PM	47011						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCHF.fx	3:30:00 PM	47012						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCZK	9:30:00 AM	47013						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCZK	11:30:00 AM	47014						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCZK	1:30:00 PM	47015						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPCZK	3:30:00 PM	47016						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK	9:30:00 AM	47017						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK	11:30:00 AM	47018						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK	1:30:00 PM	47019						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK	3:30:00 PM	47020						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK.fx	9:30:00 AM	47021						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK.fx	11:30:00 AM	47022						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK.fx	1:30:00 PM	47023						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPDKK.fx	3:30:00 PM	47024						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHKD	9:30:00 AM	47025						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHKD	11:30:00 AM	47026						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHKD	1:30:00 PM	47027						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHKD	3:30:00 PM	47028						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHUF	9:30:00 AM	47029						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHUF	11:30:00 AM	47030						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHUF	1:30:00 PM	47031						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPHUF	3:30:00 PM	47032						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY	9:30:00 AM	47033						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	GBPJPY	11:30:00 AM	47034						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY	1:30:00 PM	47035						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY	3:30:00 PM	47036						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY.fx	9:30:00 AM	47037						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY.fx	11:30:00 AM	47038						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY.fx	1:30:00 PM	47039						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPJPY.fx	3:30:00 PM	47040						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPMXN	9:30:00 AM	47041						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPMXN	11:30:00 AM	47042						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPMXN	1:30:00 PM	47043						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPMXN	3:30:00 PM	47044						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK	9:30:00 AM	47045						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK	11:30:00 AM	47046						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK	1:30:00 PM	47047						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK	3:30:00 PM	47048						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK.fx	9:30:00 AM	47049						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK.fx	11:30:00 AM	47050						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK.fx	1:30:00 PM	47051						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNOK.fx	3:30:00 PM	47052						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD	9:30:00 AM	47053						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD	11:30:00 AM	47054						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD	1:30:00 PM	47055						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD	3:30:00 PM	47056						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD.fx	9:30:00 AM	47057						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD.fx	11:30:00 AM	47058						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD.fx	1:30:00 PM	47059						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPNZD.fx	3:30:00 PM	47060						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN	9:30:00 AM	47061						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN	11:30:00 AM	47062						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN	1:30:00 PM	47063						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN	3:30:00 PM	47064						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN.fx	9:30:00 AM	47065						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN.fx	11:30:00 AM	47066						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPPLN.fx	1:30:00 PM	47067						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	GBPPLN.fx	3:30:00 PM	47068						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK	9:30:00 AM	47069						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK	11:30:00 AM	47070						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK	1:30:00 PM	47071						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK	3:30:00 PM	47072						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK.fx	9:30:00 AM	47073						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK.fx	11:30:00 AM	47074						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK.fx	1:30:00 PM	47075						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSEK.fx	3:30:00 PM	47076						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD	9:30:00 AM	47077						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD	11:30:00 AM	47078						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD	1:30:00 PM	47079						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD	3:30:00 PM	47080						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD.fx	9:30:00 AM	47081						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD.fx	11:30:00 AM	47082						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD.fx	1:30:00 PM	47083						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPSGD.fx	3:30:00 PM	47084						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD	9:30:00 AM	47085						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD	11:30:00 AM	47086						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD	1:30:00 PM	47087						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD	3:30:00 PM	47088						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD.fx	9:30:00 AM	47089						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD.fx	11:30:00 AM	47090						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD.fx	1:30:00 PM	47091						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPUSD.fx	3:30:00 PM	47092						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR	9:30:00 AM	47093						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR	11:30:00 AM	47094						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR	1:30:00 PM	47095						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR	3:30:00 PM	47096						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR.fx	9:30:00 AM	47097						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR.fx	11:30:00 AM	47098						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR.fx	1:30:00 PM	47099						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GBPZAR.fx	3:30:00 PM	47100						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GOLD	9:30:00 AM	47101						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	GOLD	11:30:00 AM	47102						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GOLD	1:30:00 PM	47103						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	GOLD	3:30:00 PM	47104						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY	9:30:00 AM	47105						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY	11:30:00 AM	47106						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY	1:30:00 PM	47107						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY	3:30:00 PM	47108						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY.fx	9:30:00 AM	47109						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY.fx	11:30:00 AM	47110						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY.fx	1:30:00 PM	47111						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HKDJPY.fx	3:30:00 PM	47112						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HUFJPY	9:30:00 AM	47113						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HUFJPY	11:30:00 AM	47114						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HUFJPY	1:30:00 PM	47115						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	HUFJPY	3:30:00 PM	47116						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JP225.i	9:30:00 AM	47117						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JP225.i	11:30:00 AM	47118						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JP225.i	1:30:00 PM	47119						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JP225.i	3:30:00 PM	47120						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	MXNJPY	9:30:00 AM	47121						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	MXNJPY	11:30:00 AM	47122						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	MXNJPY	1:30:00 PM	47123						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	MXNJPY	3:30:00 PM	47124						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NASDAQ.i	9:30:00 AM	47125						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NASDAQ.i	11:30:00 AM	47126						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NASDAQ.i	1:30:00 PM	47127						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NASDAQ.i	3:30:00 PM	47128						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY	9:30:00 AM	47129						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY	11:30:00 AM	47130						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY	1:30:00 PM	47131						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY	3:30:00 PM	47132						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY.fx	9:30:00 AM	47133						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY.fx	11:30:00 AM	47134						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NOKJPY.fx	1:30:00 PM	47135						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	NOKJPY.fx	3:30:00 PM	47136						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD	9:30:00 AM	47137						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD	11:30:00 AM	47138						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD	1:30:00 PM	47139						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD	3:30:00 PM	47140						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD.fx	9:30:00 AM	47141						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD.fx	11:30:00 AM	47142						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD.fx	1:30:00 PM	47143						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCAD.fx	3:30:00 PM	47144						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF	9:30:00 AM	47145						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF	11:30:00 AM	47146						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF	1:30:00 PM	47147						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF	3:30:00 PM	47148						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF.fx	9:30:00 AM	47149						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF.fx	11:30:00 AM	47150						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF.fx	1:30:00 PM	47151						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCHF.fx	3:30:00 PM	47152						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCZK	9:30:00 AM	47153						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCZK	11:30:00 AM	47154						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCZK	1:30:00 PM	47155						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDCZK	3:30:00 PM	47156						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDDKK	9:30:00 AM	47157						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDDKK	11:30:00 AM	47158						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDDKK	1:30:00 PM	47159						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDDKK	3:30:00 PM	47160						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHKD	9:30:00 AM	47161						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHKD	11:30:00 AM	47162						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHKD	1:30:00 PM	47163						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHKD	3:30:00 PM	47164						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHUF	9:30:00 AM	47165						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHUF	11:30:00 AM	47166						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHUF	1:30:00 PM	47167						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDHUF	3:30:00 PM	47168						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY	9:30:00 AM	47169						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	NZDJPY	11:30:00 AM	47170						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY	1:30:00 PM	47171						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY	3:30:00 PM	47172						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY.fx	9:30:00 AM	47173						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY.fx	11:30:00 AM	47174						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY.fx	1:30:00 PM	47175						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDJPY.fx	3:30:00 PM	47176						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDMXN	9:30:00 AM	47177						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDMXN	11:30:00 AM	47178						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDMXN	1:30:00 PM	47179						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDMXN	3:30:00 PM	47180						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDNOK	9:30:00 AM	47181						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDNOK	11:30:00 AM	47182						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDNOK	1:30:00 PM	47183						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDNOK	3:30:00 PM	47184						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDPLN	9:30:00 AM	47185						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDPLN	11:30:00 AM	47186						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDPLN	1:30:00 PM	47187						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDPLN	3:30:00 PM	47188						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSEK	9:30:00 AM	47189						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSEK	11:30:00 AM	47190						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSEK	1:30:00 PM	47191						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSEK	3:30:00 PM	47192						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD	9:30:00 AM	47193						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD	11:30:00 AM	47194						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD	1:30:00 PM	47195						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD	3:30:00 PM	47196						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD.fx	9:30:00 AM	47197						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD.fx	11:30:00 AM	47198						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD.fx	1:30:00 PM	47199						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDSGD.fx	3:30:00 PM	47200						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD	9:30:00 AM	47201						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD	11:30:00 AM	47202						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD	1:30:00 PM	47203						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	NZDUSD	3:30:00 PM	47204						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD.fx	9:30:00 AM	47205						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD.fx	11:30:00 AM	47206						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD.fx	1:30:00 PM	47207						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDUSD.fx	3:30:00 PM	47208						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDZAR	9:30:00 AM	47209						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDZAR	11:30:00 AM	47210						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDZAR	1:30:00 PM	47211						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	NZDZAR	3:30:00 PM	47212						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY	9:30:00 AM	47213						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY	11:30:00 AM	47214						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY	1:30:00 PM	47215						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY	3:30:00 PM	47216						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY.fx	9:30:00 AM	47217						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY.fx	11:30:00 AM	47218						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY.fx	1:30:00 PM	47219						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SEKJPY.fx	3:30:00 PM	47220						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SGDJPY	9:30:00 AM	47221						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SGDJPY	11:30:00 AM	47222						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SGDJPY	1:30:00 PM	47223						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SGDJPY	3:30:00 PM	47224						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SILVER	9:30:00 AM	47225						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SILVER	11:30:00 AM	47226						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SILVER	1:30:00 PM	47227						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SILVER	3:30:00 PM	47228						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SPX500.i	9:30:00 AM	47229						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SPX500.i	11:30:00 AM	47230						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SPX500.i	1:30:00 PM	47231						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	SPX500.i	3:30:00 PM	47232						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	UK100.i	9:30:00 AM	47233						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	UK100.i	11:30:00 AM	47234						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	UK100.i	1:30:00 PM	47235						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	UK100.i	3:30:00 PM	47236						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD	9:30:00 AM	47237						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	USDCAD	11:30:00 AM	47238						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD	1:30:00 PM	47239						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD	3:30:00 PM	47240						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD.fx	9:30:00 AM	47241						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD.fx	11:30:00 AM	47242						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD.fx	1:30:00 PM	47243						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCAD.fx	3:30:00 PM	47244						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF	9:30:00 AM	47245						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF	11:30:00 AM	47246						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF	1:30:00 PM	47247						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF	3:30:00 PM	47248						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF.fx	9:30:00 AM	47249						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF.fx	11:30:00 AM	47250						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF.fx	1:30:00 PM	47251						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCHEF.fx	3:30:00 PM	47252						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK	9:30:00 AM	47253						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK	11:30:00 AM	47254						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK	1:30:00 PM	47255						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK	3:30:00 PM	47256						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK.fx	9:30:00 AM	47257						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK.fx	11:30:00 AM	47258						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK.fx	1:30:00 PM	47259						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDCZK.fx	3:30:00 PM	47260						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK	9:30:00 AM	47261						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK	11:30:00 AM	47262						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK	1:30:00 PM	47263						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK	3:30:00 PM	47264						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK.fx	9:30:00 AM	47265						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK.fx	11:30:00 AM	47266						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK.fx	1:30:00 PM	47267						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDDKK.fx	3:30:00 PM	47268						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD	9:30:00 AM	47269						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD	11:30:00 AM	47270						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD	1:30:00 PM	47271						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	USDHKD	3:30:00 PM	47272						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD.fx	9:30:00 AM	47273						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD.fx	11:30:00 AM	47274						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD.fx	1:30:00 PM	47275						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHKD.fx	3:30:00 PM	47276						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF	9:30:00 AM	47277						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF	11:30:00 AM	47278						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF	1:30:00 PM	47279						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF	3:30:00 PM	47280						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF.fx	9:30:00 AM	47281						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF.fx	11:30:00 AM	47282						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF.fx	1:30:00 PM	47283						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDHUF.fx	3:30:00 PM	47284						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDINR	9:30:00 AM	47285						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDINR	11:30:00 AM	47286						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDINR	1:30:00 PM	47287						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDINR	3:30:00 PM	47288						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY	9:30:00 AM	47289						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY	11:30:00 AM	47290						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY	1:30:00 PM	47291						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY	3:30:00 PM	47292						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY.fx	9:30:00 AM	47293						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY.fx	11:30:00 AM	47294						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY.fx	1:30:00 PM	47295						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDJPY.fx	3:30:00 PM	47296						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDMXN	9:30:00 AM	47297						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDMXN	11:30:00 AM	47298						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDMXN	1:30:00 PM	47299						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDMXN	3:30:00 PM	47300						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JSDMXN.fx	9:30:00 AM	47301						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JSDMXN.fx	11:30:00 AM	47302						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JSDMXN.fx	1:30:00 PM	47303						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	JSDMXN.fx	3:30:00 PM	47304						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK	9:30:00 AM	47305						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	USDNOK	11:30:00 AM	47306						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK	1:30:00 PM	47307						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK	3:30:00 PM	47308						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK.fx	9:30:00 AM	47309						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK.fx	11:30:00 AM	47310						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK.fx	1:30:00 PM	47311						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDNOK.fx	3:30:00 PM	47312						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN	9:30:00 AM	47313						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN	11:30:00 AM	47314						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN	1:30:00 PM	47315						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN	3:30:00 PM	47316						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN.fx	9:30:00 AM	47317						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN.fx	11:30:00 AM	47318						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN.fx	1:30:00 PM	47319						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDPLN.fx	3:30:00 PM	47320						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDRUB	9:30:00 AM	47321						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDRUB	11:30:00 AM	47322						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDRUB	1:30:00 PM	47323						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDRUB	3:30:00 PM	47324						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK	9:30:00 AM	47325						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK	11:30:00 AM	47326						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK	1:30:00 PM	47327						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK	3:30:00 PM	47328						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK.fx	9:30:00 AM	47329						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK.fx	11:30:00 AM	47330						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK.fx	1:30:00 PM	47331						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSEK.fx	3:30:00 PM	47332						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD	9:30:00 AM	47333						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD	11:30:00 AM	47334						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD	1:30:00 PM	47335						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD	3:30:00 PM	47336						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD.fx	9:30:00 AM	47337						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD.fx	11:30:00 AM	47338						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDSGD.fx	1:30:00 PM	47339						Continuous Quote	N/A	ELECTRONIC	N/A

11/9/2019	USDSGD.fx	3:30:00 PM	47340						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR	9:30:00 AM	47341						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR	11:30:00 AM	47342						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR	1:30:00 PM	47343						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR	3:30:00 PM	47344						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR.fx	9:30:00 AM	47345						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR.fx	11:30:00 AM	47346						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR.fx	1:30:00 PM	47347						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	USDZAR.fx	3:30:00 PM	47348						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	XAUUSD	9:30:00 AM	47349						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	XAUUSD	11:30:00 AM	47350						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	XAUUSD	1:30:00 PM	47351						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	XAUUSD	3:30:00 PM	47352						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY	9:30:00 AM	47353						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY	11:30:00 AM	47354						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY	1:30:00 PM	47355						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY	3:30:00 PM	47356						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY.fx	9:30:00 AM	47357						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY.fx	11:30:00 AM	47358						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY.fx	1:30:00 PM	47359						Continuous Quote	N/A	ELECTRONIC	N/A
11/9/2019	ZARJPY.fx	3:30:00 PM	47360						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AA	9:30:00 AM	47361						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AA	11:30:00 AM	47362						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AA	1:30:00 PM	47363						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AA	3:30:00 PM	47364						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AABA	9:30:00 AM	47365						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AABA	11:30:00 AM	47366						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AABA	1:30:00 PM	47367						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AABA	3:30:00 PM	47368						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAL	9:30:00 AM	47369						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAL	11:30:00 AM	47370						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAL	1:30:00 PM	47371						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAL	3:30:00 PM	47372						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAPL	9:30:00 AM	47373						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	#AAPL	11:30:00 AM	47374						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAPL	1:30:00 PM	47375						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AAPL	3:30:00 PM	47376						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#ADBE	9:30:00 AM	47377						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#ADBE	11:30:00 AM	47378						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#ADBE	1:30:00 PM	47379						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#ADBE	3:30:00 PM	47380						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AIG	9:30:00 AM	47381						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AIG	11:30:00 AM	47382						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AIG	1:30:00 PM	47383						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AIG	3:30:00 PM	47384						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMD	9:30:00 AM	47385						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMD	11:30:00 AM	47386						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMD	1:30:00 PM	47387						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMD	3:30:00 PM	47388						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMZN	9:30:00 AM	47389						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMZN	11:30:00 AM	47390						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMZN	1:30:00 PM	47391						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AMZN	3:30:00 PM	47392						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AXP	9:30:00 AM	47393						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AXP	11:30:00 AM	47394						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AXP	1:30:00 PM	47395						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#AXP	3:30:00 PM	47396						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BA	9:30:00 AM	47397						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BA	11:30:00 AM	47398						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BA	1:30:00 PM	47399						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BA	3:30:00 PM	47400						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BABA	9:30:00 AM	47401						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BABA	11:30:00 AM	47402						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	#BABA	1:30:00 PM	47403						Continuous Quote	N/A	ELECTRONIC	N/A
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11/10/2019	AUDCAD	1:30:00 PM	47807						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCAD	3:30:00 PM	47808						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCAD.fx	9:30:00 AM	47809						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCAD.fx	11:30:00 AM	47810						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCAD.fx	1:30:00 PM	47811						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCAD.fx	3:30:00 PM	47812						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF	9:30:00 AM	47813						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF	11:30:00 AM	47814						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF	1:30:00 PM	47815						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	AUDCHF	3:30:00 PM	47816						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF.fx	9:30:00 AM	47817						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF.fx	11:30:00 AM	47818						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF.fx	1:30:00 PM	47819						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCHF.fx	3:30:00 PM	47820						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCZK	9:30:00 AM	47821						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCZK	11:30:00 AM	47822						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCZK	1:30:00 PM	47823						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDCZK	3:30:00 PM	47824						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDDKK	9:30:00 AM	47825						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDDKK	11:30:00 AM	47826						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDDKK	1:30:00 PM	47827						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDDKK	3:30:00 PM	47828						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHKD	9:30:00 AM	47829						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHKD	11:30:00 AM	47830						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHKD	1:30:00 PM	47831						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHKD	3:30:00 PM	47832						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHUF	9:30:00 AM	47833						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHUF	11:30:00 AM	47834						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHUF	1:30:00 PM	47835						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDHUF	3:30:00 PM	47836						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY	9:30:00 AM	47837						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY	11:30:00 AM	47838						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY	1:30:00 PM	47839						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY	3:30:00 PM	47840						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY.fx	9:30:00 AM	47841						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY.fx	11:30:00 AM	47842						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY.fx	1:30:00 PM	47843						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDJPY.fx	3:30:00 PM	47844						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDMXN	9:30:00 AM	47845						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDMXN	11:30:00 AM	47846						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDMXN	1:30:00 PM	47847						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDMXN	3:30:00 PM	47848						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK	9:30:00 AM	47849						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	AUDNOK	11:30:00 AM	47850						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK	1:30:00 PM	47851						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK	3:30:00 PM	47852						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK.fx	9:30:00 AM	47853						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK.fx	11:30:00 AM	47854						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK.fx	1:30:00 PM	47855						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNOK.fx	3:30:00 PM	47856						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD	9:30:00 AM	47857						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD	11:30:00 AM	47858						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD	1:30:00 PM	47859						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD	3:30:00 PM	47860						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD.fx	9:30:00 AM	47861						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD.fx	11:30:00 AM	47862						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD.fx	1:30:00 PM	47863						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDNZD.fx	3:30:00 PM	47864						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDPLN	9:30:00 AM	47865						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDPLN	11:30:00 AM	47866						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDPLN	1:30:00 PM	47867						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDPLN	3:30:00 PM	47868						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK	9:30:00 AM	47869						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK	11:30:00 AM	47870						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK	1:30:00 PM	47871						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK	3:30:00 PM	47872						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK.fx	9:30:00 AM	47873						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK.fx	11:30:00 AM	47874						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK.fx	1:30:00 PM	47875						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSEK.fx	3:30:00 PM	47876						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD	9:30:00 AM	47877						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD	11:30:00 AM	47878						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD	1:30:00 PM	47879						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD	3:30:00 PM	47880						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD.fx	9:30:00 AM	47881						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD.fx	11:30:00 AM	47882						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDSGD.fx	1:30:00 PM	47883						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	AUDSGD.fx	3:30:00 PM	47884						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD	9:30:00 AM	47885						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD	11:30:00 AM	47886						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD	1:30:00 PM	47887						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD	3:30:00 PM	47888						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD.fx	9:30:00 AM	47889						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD.fx	11:30:00 AM	47890						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD.fx	1:30:00 PM	47891						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDUSD.fx	3:30:00 PM	47892						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDZAR	9:30:00 AM	47893						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDZAR	11:30:00 AM	47894						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDZAR	1:30:00 PM	47895						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUDZAR	3:30:00 PM	47896						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUS200.i	9:30:00 AM	47897						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUS200.i	11:30:00 AM	47898						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUS200.i	1:30:00 PM	47899						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	AUS200.i	3:30:00 PM	47900						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	BCHUSD	9:30:00 AM	47901						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	BCHUSD	11:30:00 AM	47902						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	BCHUSD	1:30:00 PM	47903						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	BCHUSD	3:30:00 PM	47904						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF	9:30:00 AM	47905						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF	11:30:00 AM	47906						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF	1:30:00 PM	47907						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF	3:30:00 PM	47908						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF.fx	9:30:00 AM	47909						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF.fx	11:30:00 AM	47910						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF.fx	1:30:00 PM	47911						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCHF.fx	3:30:00 PM	47912						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCZK	9:30:00 AM	47913						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCZK	11:30:00 AM	47914						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCZK	1:30:00 PM	47915						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADCZK	3:30:00 PM	47916						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADKK	9:30:00 AM	47917						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	CADDDK	11:30:00 AM	47918						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADDDK	1:30:00 PM	47919						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADDDK	3:30:00 PM	47920						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHKD	9:30:00 AM	47921						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHKD	11:30:00 AM	47922						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHKD	1:30:00 PM	47923						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHKD	3:30:00 PM	47924						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHUF	9:30:00 AM	47925						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHUF	11:30:00 AM	47926						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHUF	1:30:00 PM	47927						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADHUF	3:30:00 PM	47928						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY	9:30:00 AM	47929						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY	11:30:00 AM	47930						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY	1:30:00 PM	47931						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY	3:30:00 PM	47932						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY.fx	9:30:00 AM	47933						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY.fx	11:30:00 AM	47934						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY.fx	1:30:00 PM	47935						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADJPY.fx	3:30:00 PM	47936						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADMXN	9:30:00 AM	47937						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADMXN	11:30:00 AM	47938						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADMXN	1:30:00 PM	47939						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADMXN	3:30:00 PM	47940						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADNOK	9:30:00 AM	47941						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADNOK	11:30:00 AM	47942						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADNOK	1:30:00 PM	47943						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADNOK	3:30:00 PM	47944						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADPLN	9:30:00 AM	47945						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADPLN	11:30:00 AM	47946						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADPLN	1:30:00 PM	47947						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADPLN	3:30:00 PM	47948						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSEK	9:30:00 AM	47949						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSEK	11:30:00 AM	47950						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSEK	1:30:00 PM	47951						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	CADSEK	3:30:00 PM	47952						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSGD	9:30:00 AM	47953						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSGD	11:30:00 AM	47954						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSGD	1:30:00 PM	47955						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADSGD	3:30:00 PM	47956						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADZAR	9:30:00 AM	47957						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADZAR	11:30:00 AM	47958						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADZAR	1:30:00 PM	47959						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CADZAR	3:30:00 PM	47960						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFCZK	9:30:00 AM	47961						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFCZK	11:30:00 AM	47962						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFCZK	1:30:00 PM	47963						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFCZK	3:30:00 PM	47964						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK	9:30:00 AM	47965						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK	11:30:00 AM	47966						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK	1:30:00 PM	47967						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK	3:30:00 PM	47968						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK.fx	9:30:00 AM	47969						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK.fx	11:30:00 AM	47970						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK.fx	1:30:00 PM	47971						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFDKK.fx	3:30:00 PM	47972						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHKD	9:30:00 AM	47973						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHKD	11:30:00 AM	47974						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHKD	1:30:00 PM	47975						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHKD	3:30:00 PM	47976						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHUF	9:30:00 AM	47977						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHUF	11:30:00 AM	47978						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHUF	1:30:00 PM	47979						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFHUF	3:30:00 PM	47980						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY	9:30:00 AM	47981						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY	11:30:00 AM	47982						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY	1:30:00 PM	47983						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY	3:30:00 PM	47984						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY.fx	9:30:00 AM	47985						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	CHFJPY.fx	11:30:00 AM	47986						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY.fx	1:30:00 PM	47987						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFJPY.fx	3:30:00 PM	47988						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFMXN	9:30:00 AM	47989						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFMXN	11:30:00 AM	47990						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFMXN	1:30:00 PM	47991						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFMXN	3:30:00 PM	47992						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK	9:30:00 AM	47993						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK	11:30:00 AM	47994						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK	1:30:00 PM	47995						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK	3:30:00 PM	47996						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK.fx	9:30:00 AM	47997						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK.fx	11:30:00 AM	47998						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK.fx	1:30:00 PM	47999						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFNOK.fx	3:30:00 PM	48000						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN	9:30:00 AM	48001						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN	11:30:00 AM	48002						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN	1:30:00 PM	48003						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN	3:30:00 PM	48004						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN.fx	9:30:00 AM	48005						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN.fx	11:30:00 AM	48006						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN.fx	1:30:00 PM	48007						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFPLN.fx	3:30:00 PM	48008						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSEK	9:30:00 AM	48009						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSEK	11:30:00 AM	48010						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSEK	1:30:00 PM	48011						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSEK	3:30:00 PM	48012						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD	9:30:00 AM	48013						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD	11:30:00 AM	48014						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD	1:30:00 PM	48015						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD	3:30:00 PM	48016						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD.fx	9:30:00 AM	48017						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD.fx	11:30:00 AM	48018						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFSGD.fx	1:30:00 PM	48019						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	CHFSGD.fx	3:30:00 PM	48020						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFZAR	9:30:00 AM	48021						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFZAR	11:30:00 AM	48022						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFZAR	1:30:00 PM	48023						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CHFZAR	3:30:00 PM	48024						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CZKJPY	9:30:00 AM	48025						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CZKJPY	11:30:00 AM	48026						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CZKJPY	1:30:00 PM	48027						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	CZKJPY	3:30:00 PM	48028						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DAX30.i	9:30:00 AM	48029						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DAX30.i	11:30:00 AM	48030						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DAX30.i	1:30:00 PM	48031						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DAX30.i	3:30:00 PM	48032						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DJ30.i	9:30:00 AM	48033						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DJ30.i	11:30:00 AM	48034						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DJ30.i	1:30:00 PM	48035						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DJ30.i	3:30:00 PM	48036						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DKKJPY	9:30:00 AM	48037						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DKKJPY	11:30:00 AM	48038						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DKKJPY	1:30:00 PM	48039						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	DKKJPY	3:30:00 PM	48040						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD	9:30:00 AM	48041						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD	11:30:00 AM	48042						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD	1:30:00 PM	48043						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD	3:30:00 PM	48044						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD.fx	9:30:00 AM	48045						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD.fx	11:30:00 AM	48046						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD.fx	1:30:00 PM	48047						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURAUD.fx	3:30:00 PM	48048						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD	9:30:00 AM	48049						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD	11:30:00 AM	48050						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD	1:30:00 PM	48051						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD	3:30:00 PM	48052						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD.fx	9:30:00 AM	48053						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	EURCAD.fx	11:30:00 AM	48054						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD.fx	1:30:00 PM	48055						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCAD.fx	3:30:00 PM	48056						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF	9:30:00 AM	48057						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF	11:30:00 AM	48058						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF	1:30:00 PM	48059						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF	3:30:00 PM	48060						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF.fx	9:30:00 AM	48061						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF.fx	11:30:00 AM	48062						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF.fx	1:30:00 PM	48063						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCHF.fx	3:30:00 PM	48064						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCZK	9:30:00 AM	48065						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCZK	11:30:00 AM	48066						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCZK	1:30:00 PM	48067						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURCZK	3:30:00 PM	48068						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURDKK	9:30:00 AM	48069						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURDKK	11:30:00 AM	48070						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURDKK	1:30:00 PM	48071						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURDKK	3:30:00 PM	48072						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP	9:30:00 AM	48073						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP	11:30:00 AM	48074						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP	1:30:00 PM	48075						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP	3:30:00 PM	48076						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP.fx	9:30:00 AM	48077						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP.fx	11:30:00 AM	48078						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP.fx	1:30:00 PM	48079						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURGBP.fx	3:30:00 PM	48080						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD	9:30:00 AM	48081						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD	11:30:00 AM	48082						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD	1:30:00 PM	48083						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD	3:30:00 PM	48084						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD.fx	9:30:00 AM	48085						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD.fx	11:30:00 AM	48086						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHKD.fx	1:30:00 PM	48087						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	EURHKD.fx	3:30:00 PM	48088						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF	9:30:00 AM	48089						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF	11:30:00 AM	48090						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF	1:30:00 PM	48091						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF	3:30:00 PM	48092						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF.fx	9:30:00 AM	48093						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF.fx	11:30:00 AM	48094						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF.fx	1:30:00 PM	48095						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURHUF.fx	3:30:00 PM	48096						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY	9:30:00 AM	48097						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY	11:30:00 AM	48098						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY	1:30:00 PM	48099						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY	3:30:00 PM	48100						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY.fx	9:30:00 AM	48101						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY.fx	11:30:00 AM	48102						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY.fx	1:30:00 PM	48103						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURJPY.fx	3:30:00 PM	48104						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN	9:30:00 AM	48105						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN	11:30:00 AM	48106						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN	1:30:00 PM	48107						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN	3:30:00 PM	48108						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN.fx	9:30:00 AM	48109						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN.fx	11:30:00 AM	48110						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN.fx	1:30:00 PM	48111						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURMXN.fx	3:30:00 PM	48112						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK	9:30:00 AM	48113						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK	11:30:00 AM	48114						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK	1:30:00 PM	48115						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK	3:30:00 PM	48116						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK.fx	9:30:00 AM	48117						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK.fx	11:30:00 AM	48118						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK.fx	1:30:00 PM	48119						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNOK.fx	3:30:00 PM	48120						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD	9:30:00 AM	48121						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	EURNZD	11:30:00 AM	48122						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD	1:30:00 PM	48123						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD	3:30:00 PM	48124						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD.fx	9:30:00 AM	48125						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD.fx	11:30:00 AM	48126						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD.fx	1:30:00 PM	48127						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURNZD.fx	3:30:00 PM	48128						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN	9:30:00 AM	48129						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN	11:30:00 AM	48130						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN	1:30:00 PM	48131						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN	3:30:00 PM	48132						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN.fx	9:30:00 AM	48133						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN.fx	11:30:00 AM	48134						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN.fx	1:30:00 PM	48135						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURPLN.fx	3:30:00 PM	48136						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURRUB	9:30:00 AM	48137						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURRUB	11:30:00 AM	48138						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURRUB	1:30:00 PM	48139						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURRUB	3:30:00 PM	48140						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK	9:30:00 AM	48141						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK	11:30:00 AM	48142						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK	1:30:00 PM	48143						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK	3:30:00 PM	48144						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK.fx	9:30:00 AM	48145						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK.fx	11:30:00 AM	48146						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK.fx	1:30:00 PM	48147						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSEK.fx	3:30:00 PM	48148						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD	9:30:00 AM	48149						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD	11:30:00 AM	48150						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD	1:30:00 PM	48151						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD	3:30:00 PM	48152						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD.fx	9:30:00 AM	48153						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD.fx	11:30:00 AM	48154						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURSGD.fx	1:30:00 PM	48155						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	EURSGD.fx	3:30:00 PM	48156						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD	9:30:00 AM	48157						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD	11:30:00 AM	48158						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD	1:30:00 PM	48159						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD	3:30:00 PM	48160						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD.fx	9:30:00 AM	48161						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD.fx	11:30:00 AM	48162						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD.fx	1:30:00 PM	48163						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURUSD.fx	3:30:00 PM	48164						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR	9:30:00 AM	48165						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR	11:30:00 AM	48166						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR	1:30:00 PM	48167						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR	3:30:00 PM	48168						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR.fx	9:30:00 AM	48169						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR.fx	11:30:00 AM	48170						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR.fx	1:30:00 PM	48171						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	EURZAR.fx	3:30:00 PM	48172						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD	9:30:00 AM	48173						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD	11:30:00 AM	48174						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD	1:30:00 PM	48175						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD	3:30:00 PM	48176						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD.fx	9:30:00 AM	48177						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD.fx	11:30:00 AM	48178						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD.fx	1:30:00 PM	48179						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPAUD.fx	3:30:00 PM	48180						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD	9:30:00 AM	48181						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD	11:30:00 AM	48182						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD	1:30:00 PM	48183						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD	3:30:00 PM	48184						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD.fx	9:30:00 AM	48185						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD.fx	11:30:00 AM	48186						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD.fx	1:30:00 PM	48187						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCAD.fx	3:30:00 PM	48188						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHEF	9:30:00 AM	48189						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	GBPCHF	11:30:00 AM	48190						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF	1:30:00 PM	48191						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF	3:30:00 PM	48192						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF.fx	9:30:00 AM	48193						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF.fx	11:30:00 AM	48194						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF.fx	1:30:00 PM	48195						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCHF.fx	3:30:00 PM	48196						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCZK	9:30:00 AM	48197						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCZK	11:30:00 AM	48198						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCZK	1:30:00 PM	48199						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPCZK	3:30:00 PM	48200						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK	9:30:00 AM	48201						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK	11:30:00 AM	48202						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK	1:30:00 PM	48203						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK	3:30:00 PM	48204						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK.fx	9:30:00 AM	48205						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK.fx	11:30:00 AM	48206						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK.fx	1:30:00 PM	48207						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPDKK.fx	3:30:00 PM	48208						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHKD	9:30:00 AM	48209						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHKD	11:30:00 AM	48210						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHKD	1:30:00 PM	48211						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHKD	3:30:00 PM	48212						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHUF	9:30:00 AM	48213						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHUF	11:30:00 AM	48214						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHUF	1:30:00 PM	48215						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPHUF	3:30:00 PM	48216						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY	9:30:00 AM	48217						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY	11:30:00 AM	48218						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY	1:30:00 PM	48219						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY	3:30:00 PM	48220						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY.fx	9:30:00 AM	48221						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY.fx	11:30:00 AM	48222						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPJPY.fx	1:30:00 PM	48223						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	GBPJPY.fx	3:30:00 PM	48224						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPMXN	9:30:00 AM	48225						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPMXN	11:30:00 AM	48226						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPMXN	1:30:00 PM	48227						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPMXN	3:30:00 PM	48228						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK	9:30:00 AM	48229						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK	11:30:00 AM	48230						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK	1:30:00 PM	48231						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK	3:30:00 PM	48232						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK.fx	9:30:00 AM	48233						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK.fx	11:30:00 AM	48234						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK.fx	1:30:00 PM	48235						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNOK.fx	3:30:00 PM	48236						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD	9:30:00 AM	48237						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD	11:30:00 AM	48238						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD	1:30:00 PM	48239						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD	3:30:00 PM	48240						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD.fx	9:30:00 AM	48241						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD.fx	11:30:00 AM	48242						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD.fx	1:30:00 PM	48243						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPNZD.fx	3:30:00 PM	48244						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN	9:30:00 AM	48245						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN	11:30:00 AM	48246						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN	1:30:00 PM	48247						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN	3:30:00 PM	48248						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN.fx	9:30:00 AM	48249						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN.fx	11:30:00 AM	48250						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN.fx	1:30:00 PM	48251						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPPLN.fx	3:30:00 PM	48252						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK	9:30:00 AM	48253						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK	11:30:00 AM	48254						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK	1:30:00 PM	48255						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK	3:30:00 PM	48256						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK.fx	9:30:00 AM	48257						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	GBPSEK.fx	11:30:00 AM	48258						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK.fx	1:30:00 PM	48259						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSEK.fx	3:30:00 PM	48260						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD	9:30:00 AM	48261						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD	11:30:00 AM	48262						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD	1:30:00 PM	48263						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD	3:30:00 PM	48264						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD.fx	9:30:00 AM	48265						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD.fx	11:30:00 AM	48266						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD.fx	1:30:00 PM	48267						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPSGD.fx	3:30:00 PM	48268						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD	9:30:00 AM	48269						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD	11:30:00 AM	48270						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD	1:30:00 PM	48271						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD	3:30:00 PM	48272						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD.fx	9:30:00 AM	48273						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD.fx	11:30:00 AM	48274						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD.fx	1:30:00 PM	48275						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPUSD.fx	3:30:00 PM	48276						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR	9:30:00 AM	48277						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR	11:30:00 AM	48278						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR	1:30:00 PM	48279						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR	3:30:00 PM	48280						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR.fx	9:30:00 AM	48281						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR.fx	11:30:00 AM	48282						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR.fx	1:30:00 PM	48283						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GBPZAR.fx	3:30:00 PM	48284						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GOLD	9:30:00 AM	48285						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GOLD	11:30:00 AM	48286						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GOLD	1:30:00 PM	48287						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	GOLD	3:30:00 PM	48288						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY	9:30:00 AM	48289						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY	11:30:00 AM	48290						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY	1:30:00 PM	48291						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	HKDJPY	3:30:00 PM	48292						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY.fx	9:30:00 AM	48293						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY.fx	11:30:00 AM	48294						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY.fx	1:30:00 PM	48295						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HKDJPY.fx	3:30:00 PM	48296						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HUFJPY	9:30:00 AM	48297						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HUFJPY	11:30:00 AM	48298						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HUFJPY	1:30:00 PM	48299						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	HUFJPY	3:30:00 PM	48300						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JP225.i	9:30:00 AM	48301						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JP225.i	11:30:00 AM	48302						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JP225.i	1:30:00 PM	48303						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JP225.i	3:30:00 PM	48304						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	MXNJPY	9:30:00 AM	48305						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	MXNJPY	11:30:00 AM	48306						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	MXNJPY	1:30:00 PM	48307						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	MXNJPY	3:30:00 PM	48308						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NASDAQ.i	9:30:00 AM	48309						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NASDAQ.i	11:30:00 AM	48310						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NASDAQ.i	1:30:00 PM	48311						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NASDAQ.i	3:30:00 PM	48312						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY	9:30:00 AM	48313						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY	11:30:00 AM	48314						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY	1:30:00 PM	48315						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY	3:30:00 PM	48316						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY.fx	9:30:00 AM	48317						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY.fx	11:30:00 AM	48318						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY.fx	1:30:00 PM	48319						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NOKJPY.fx	3:30:00 PM	48320						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD	9:30:00 AM	48321						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD	11:30:00 AM	48322						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD	1:30:00 PM	48323						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD	3:30:00 PM	48324						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD.fx	9:30:00 AM	48325						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	NZDCAD.fx	11:30:00 AM	48326						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD.fx	1:30:00 PM	48327						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCAD.fx	3:30:00 PM	48328						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF	9:30:00 AM	48329						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF	11:30:00 AM	48330						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF	1:30:00 PM	48331						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF	3:30:00 PM	48332						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF.fx	9:30:00 AM	48333						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF.fx	11:30:00 AM	48334						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF.fx	1:30:00 PM	48335						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCHF.fx	3:30:00 PM	48336						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCZK	9:30:00 AM	48337						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCZK	11:30:00 AM	48338						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCZK	1:30:00 PM	48339						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDCZK	3:30:00 PM	48340						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDDKK	9:30:00 AM	48341						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDDKK	11:30:00 AM	48342						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDDKK	1:30:00 PM	48343						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDDKK	3:30:00 PM	48344						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHKD	9:30:00 AM	48345						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHKD	11:30:00 AM	48346						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHKD	1:30:00 PM	48347						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHKD	3:30:00 PM	48348						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHUF	9:30:00 AM	48349						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHUF	11:30:00 AM	48350						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHUF	1:30:00 PM	48351						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDHUF	3:30:00 PM	48352						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY	9:30:00 AM	48353						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY	11:30:00 AM	48354						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY	1:30:00 PM	48355						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY	3:30:00 PM	48356						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY.fx	9:30:00 AM	48357						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY.fx	11:30:00 AM	48358						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDJPY.fx	1:30:00 PM	48359						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	NZDJPY.fx	3:30:00 PM	48360						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDMXN	9:30:00 AM	48361						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDMXN	11:30:00 AM	48362						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDMXN	1:30:00 PM	48363						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDMXN	3:30:00 PM	48364						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDNOK	9:30:00 AM	48365						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDNOK	11:30:00 AM	48366						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDNOK	1:30:00 PM	48367						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDNOK	3:30:00 PM	48368						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDPLN	9:30:00 AM	48369						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDPLN	11:30:00 AM	48370						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDPLN	1:30:00 PM	48371						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDPLN	3:30:00 PM	48372						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSEK	9:30:00 AM	48373						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSEK	11:30:00 AM	48374						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSEK	1:30:00 PM	48375						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSEK	3:30:00 PM	48376						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD	9:30:00 AM	48377						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD	11:30:00 AM	48378						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD	1:30:00 PM	48379						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD	3:30:00 PM	48380						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD.fx	9:30:00 AM	48381						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD.fx	11:30:00 AM	48382						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD.fx	1:30:00 PM	48383						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDSGD.fx	3:30:00 PM	48384						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD	9:30:00 AM	48385						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD	11:30:00 AM	48386						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD	1:30:00 PM	48387						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD	3:30:00 PM	48388						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD.fx	9:30:00 AM	48389						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD.fx	11:30:00 AM	48390						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD.fx	1:30:00 PM	48391						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDUSD.fx	3:30:00 PM	48392						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDZAR	9:30:00 AM	48393						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	NZDZAR	11:30:00 AM	48394						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDZAR	1:30:00 PM	48395						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	NZDZAR	3:30:00 PM	48396						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY	9:30:00 AM	48397						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY	11:30:00 AM	48398						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY	1:30:00 PM	48399						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY	3:30:00 PM	48400						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY.fx	9:30:00 AM	48401						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY.fx	11:30:00 AM	48402						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY.fx	1:30:00 PM	48403						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SEKJPY.fx	3:30:00 PM	48404						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SGDJPY	9:30:00 AM	48405						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SGDJPY	11:30:00 AM	48406						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SGDJPY	1:30:00 PM	48407						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SGDJPY	3:30:00 PM	48408						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SILVER	9:30:00 AM	48409						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SILVER	11:30:00 AM	48410						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SILVER	1:30:00 PM	48411						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SILVER	3:30:00 PM	48412						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SPX500.i	9:30:00 AM	48413						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SPX500.i	11:30:00 AM	48414						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SPX500.i	1:30:00 PM	48415						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	SPX500.i	3:30:00 PM	48416						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	UK100.i	9:30:00 AM	48417						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	UK100.i	11:30:00 AM	48418						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	UK100.i	1:30:00 PM	48419						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	UK100.i	3:30:00 PM	48420						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD	9:30:00 AM	48421						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD	11:30:00 AM	48422						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD	1:30:00 PM	48423						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD	3:30:00 PM	48424						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD.fx	9:30:00 AM	48425						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD.fx	11:30:00 AM	48426						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCAD.fx	1:30:00 PM	48427						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	USDCAD.fx	3:30:00 PM	48428						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF	9:30:00 AM	48429						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF	11:30:00 AM	48430						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF	1:30:00 PM	48431						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF	3:30:00 PM	48432						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF.fx	9:30:00 AM	48433						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF.fx	11:30:00 AM	48434						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF.fx	1:30:00 PM	48435						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCHF.fx	3:30:00 PM	48436						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK	9:30:00 AM	48437						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK	11:30:00 AM	48438						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK	1:30:00 PM	48439						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK	3:30:00 PM	48440						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK.fx	9:30:00 AM	48441						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK.fx	11:30:00 AM	48442						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK.fx	1:30:00 PM	48443						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDCZK.fx	3:30:00 PM	48444						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK	9:30:00 AM	48445						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK	11:30:00 AM	48446						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK	1:30:00 PM	48447						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK	3:30:00 PM	48448						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK.fx	9:30:00 AM	48449						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK.fx	11:30:00 AM	48450						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK.fx	1:30:00 PM	48451						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDDKK.fx	3:30:00 PM	48452						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD	9:30:00 AM	48453						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD	11:30:00 AM	48454						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD	1:30:00 PM	48455						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD	3:30:00 PM	48456						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD.fx	9:30:00 AM	48457						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD.fx	11:30:00 AM	48458						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD.fx	1:30:00 PM	48459						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHKD.fx	3:30:00 PM	48460						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF	9:30:00 AM	48461						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	USDHUF	11:30:00 AM	48462						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF	1:30:00 PM	48463						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF	3:30:00 PM	48464						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF.fx	9:30:00 AM	48465						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF.fx	11:30:00 AM	48466						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF.fx	1:30:00 PM	48467						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDHUF.fx	3:30:00 PM	48468						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDINR	9:30:00 AM	48469						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDINR	11:30:00 AM	48470						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDINR	1:30:00 PM	48471						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDINR	3:30:00 PM	48472						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY	9:30:00 AM	48473						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY	11:30:00 AM	48474						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY	1:30:00 PM	48475						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY	3:30:00 PM	48476						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY.fx	9:30:00 AM	48477						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY.fx	11:30:00 AM	48478						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY.fx	1:30:00 PM	48479						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDJPY.fx	3:30:00 PM	48480						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDMXN	9:30:00 AM	48481						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDMXN	11:30:00 AM	48482						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDMXN	1:30:00 PM	48483						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDMXN	3:30:00 PM	48484						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JSDMXN.fx	9:30:00 AM	48485						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JSDMXN.fx	11:30:00 AM	48486						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JSDMXN.fx	1:30:00 PM	48487						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	JSDMXN.fx	3:30:00 PM	48488						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK	9:30:00 AM	48489						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK	11:30:00 AM	48490						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK	1:30:00 PM	48491						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK	3:30:00 PM	48492						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK.fx	9:30:00 AM	48493						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK.fx	11:30:00 AM	48494						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDNOK.fx	1:30:00 PM	48495						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	USDNOK.fx	3:30:00 PM	48496						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN	9:30:00 AM	48497						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN	11:30:00 AM	48498						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN	1:30:00 PM	48499						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN	3:30:00 PM	48500						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN.fx	9:30:00 AM	48501						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN.fx	11:30:00 AM	48502						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN.fx	1:30:00 PM	48503						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDPLN.fx	3:30:00 PM	48504						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDRUB	9:30:00 AM	48505						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDRUB	11:30:00 AM	48506						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDRUB	1:30:00 PM	48507						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDRUB	3:30:00 PM	48508						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK	9:30:00 AM	48509						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK	11:30:00 AM	48510						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK	1:30:00 PM	48511						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK	3:30:00 PM	48512						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK.fx	9:30:00 AM	48513						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK.fx	11:30:00 AM	48514						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK.fx	1:30:00 PM	48515						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSEK.fx	3:30:00 PM	48516						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD	9:30:00 AM	48517						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD	11:30:00 AM	48518						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD	1:30:00 PM	48519						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD	3:30:00 PM	48520						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD.fx	9:30:00 AM	48521						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD.fx	11:30:00 AM	48522						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD.fx	1:30:00 PM	48523						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDSGD.fx	3:30:00 PM	48524						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR	9:30:00 AM	48525						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR	11:30:00 AM	48526						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR	1:30:00 PM	48527						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR	3:30:00 PM	48528						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR.fx	9:30:00 AM	48529						Continuous Quote	N/A	ELECTRONIC	N/A

11/10/2019	USDZAR.fx	11:30:00 AM	48530						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR.fx	1:30:00 PM	48531						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	USDZAR.fx	3:30:00 PM	48532						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	XAUUSD	9:30:00 AM	48533						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	XAUUSD	11:30:00 AM	48534						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	XAUUSD	1:30:00 PM	48535						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	XAUUSD	3:30:00 PM	48536						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY	9:30:00 AM	48537						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY	11:30:00 AM	48538						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY	1:30:00 PM	48539						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY	3:30:00 PM	48540						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY.fx	9:30:00 AM	48541						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY.fx	11:30:00 AM	48542						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY.fx	1:30:00 PM	48543						Continuous Quote	N/A	ELECTRONIC	N/A
11/10/2019	ZARJPY.fx	3:30:00 PM	48544						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AA	9:30:00 AM	48545						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AA	11:30:00 AM	48546						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AA	1:30:00 PM	48547						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AA	3:30:00 PM	48548						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AABA	9:30:00 AM	48549						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AABA	11:30:00 AM	48550						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AABA	1:30:00 PM	48551						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AABA	3:30:00 PM	48552						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAL	9:30:00 AM	48553						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAL	11:30:00 AM	48554						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAL	1:30:00 PM	48555						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAL	3:30:00 PM	48556						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAPL	9:30:00 AM	48557						Continuous Quote	N/A	ELECTRONIC	N/A
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11/11/2019	#AAPL	1:30:00 PM	48559						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AAPL	3:30:00 PM	48560						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#ADBE	9:30:00 AM	48561						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#ADBE	11:30:00 AM	48562						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#ADBE	1:30:00 PM	48563						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	#ADBE	3:30:00 PM	48564						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AIG	9:30:00 AM	48565						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AIG	11:30:00 AM	48566						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AIG	1:30:00 PM	48567						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AIG	3:30:00 PM	48568						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMD	9:30:00 AM	48569						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMD	11:30:00 AM	48570						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMD	1:30:00 PM	48571						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMD	3:30:00 PM	48572						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMZN	9:30:00 AM	48573						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AMZN	11:30:00 AM	48574						Continuous Quote	N/A	ELECTRONIC	N/A
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11/11/2019	#AMZN	3:30:00 PM	48576						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AXP	9:30:00 AM	48577						Continuous Quote	N/A	ELECTRONIC	N/A
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11/11/2019	#AXP	1:30:00 PM	48579						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#AXP	3:30:00 PM	48580						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BA	9:30:00 AM	48581						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BA	11:30:00 AM	48582						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BA	1:30:00 PM	48583						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BA	3:30:00 PM	48584						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BABA	9:30:00 AM	48585						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BABA	11:30:00 AM	48586						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BABA	1:30:00 PM	48587						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BABA	3:30:00 PM	48588						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BAC	9:30:00 AM	48589						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BAC	11:30:00 AM	48590						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BAC	1:30:00 PM	48591						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	#BAC	3:30:00 PM	48592						Continuous Quote	N/A	ELECTRONIC	N/A
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11/11/2019	#NG.f	3:30:00 PM	48840						Continuous Quote	N/A	ELECTRONIC	N/A
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11/11/2019	AUDCAD.fx	3:30:00 PM	48996						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF	9:30:00 AM	48997						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF	11:30:00 AM	48998						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF	1:30:00 PM	48999						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF	3:30:00 PM	49000						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF.fx	9:30:00 AM	49001						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF.fx	11:30:00 AM	49002						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF.fx	1:30:00 PM	49003						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCHF.fx	3:30:00 PM	49004						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCZK	9:30:00 AM	49005						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	AUDCZK	11:30:00 AM	49006						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCZK	1:30:00 PM	49007						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDCZK	3:30:00 PM	49008						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDDKK	9:30:00 AM	49009						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDDKK	11:30:00 AM	49010						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDDKK	1:30:00 PM	49011						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDDKK	3:30:00 PM	49012						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHKD	9:30:00 AM	49013						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHKD	11:30:00 AM	49014						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHKD	1:30:00 PM	49015						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHKD	3:30:00 PM	49016						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHUF	9:30:00 AM	49017						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHUF	11:30:00 AM	49018						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHUF	1:30:00 PM	49019						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDHUF	3:30:00 PM	49020						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY	9:30:00 AM	49021						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY	11:30:00 AM	49022						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY	1:30:00 PM	49023						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY	3:30:00 PM	49024						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY.fx	9:30:00 AM	49025						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY.fx	11:30:00 AM	49026						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY.fx	1:30:00 PM	49027						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDJPY.fx	3:30:00 PM	49028						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDMXN	9:30:00 AM	49029						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDMXN	11:30:00 AM	49030						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDMXN	1:30:00 PM	49031						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDMXN	3:30:00 PM	49032						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK	9:30:00 AM	49033						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK	11:30:00 AM	49034						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK	1:30:00 PM	49035						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK	3:30:00 PM	49036						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK.fx	9:30:00 AM	49037						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK.fx	11:30:00 AM	49038						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNOK.fx	1:30:00 PM	49039						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	AUDNOK.fx	3:30:00 PM	49040						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD	9:30:00 AM	49041						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD	11:30:00 AM	49042						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD	1:30:00 PM	49043						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD	3:30:00 PM	49044						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD.fx	9:30:00 AM	49045						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD.fx	11:30:00 AM	49046						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD.fx	1:30:00 PM	49047						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDNZD.fx	3:30:00 PM	49048						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDPLN	9:30:00 AM	49049						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDPLN	11:30:00 AM	49050						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDPLN	1:30:00 PM	49051						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDPLN	3:30:00 PM	49052						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK	9:30:00 AM	49053						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK	11:30:00 AM	49054						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK	1:30:00 PM	49055						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK	3:30:00 PM	49056						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK.fx	9:30:00 AM	49057						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK.fx	11:30:00 AM	49058						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK.fx	1:30:00 PM	49059						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSEK.fx	3:30:00 PM	49060						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD	9:30:00 AM	49061						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD	11:30:00 AM	49062						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD	1:30:00 PM	49063						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD	3:30:00 PM	49064						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD.fx	9:30:00 AM	49065						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD.fx	11:30:00 AM	49066						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD.fx	1:30:00 PM	49067						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDSGD.fx	3:30:00 PM	49068						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD	9:30:00 AM	49069						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD	11:30:00 AM	49070						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD	1:30:00 PM	49071						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD	3:30:00 PM	49072						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD.fx	9:30:00 AM	49073						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	AUDUSD.fx	11:30:00 AM	49074						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD.fx	1:30:00 PM	49075						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDUSD.fx	3:30:00 PM	49076						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDZAR	9:30:00 AM	49077						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDZAR	11:30:00 AM	49078						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDZAR	1:30:00 PM	49079						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUDZAR	3:30:00 PM	49080						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUS200.i	9:30:00 AM	49081						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUS200.i	11:30:00 AM	49082						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUS200.i	1:30:00 PM	49083						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	AUS200.i	3:30:00 PM	49084						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	BCHUSD	9:30:00 AM	49085						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	BCHUSD	11:30:00 AM	49086						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	BCHUSD	1:30:00 PM	49087						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	BCHUSD	3:30:00 PM	49088						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF	9:30:00 AM	49089						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF	11:30:00 AM	49090						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF	1:30:00 PM	49091						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF	3:30:00 PM	49092						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF.fx	9:30:00 AM	49093						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF.fx	11:30:00 AM	49094						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF.fx	1:30:00 PM	49095						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCHF.fx	3:30:00 PM	49096						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCZK	9:30:00 AM	49097						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCZK	11:30:00 AM	49098						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCZK	1:30:00 PM	49099						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADCZK	3:30:00 PM	49100						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADDDKK	9:30:00 AM	49101						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADDDKK	11:30:00 AM	49102						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADDDKK	1:30:00 PM	49103						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADDDKK	3:30:00 PM	49104						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHKD	9:30:00 AM	49105						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHKD	11:30:00 AM	49106						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHKD	1:30:00 PM	49107						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	CADHKD	3:30:00 PM	49108						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHUF	9:30:00 AM	49109						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHUF	11:30:00 AM	49110						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHUF	1:30:00 PM	49111						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADHUF	3:30:00 PM	49112						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY	9:30:00 AM	49113						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY	11:30:00 AM	49114						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY	1:30:00 PM	49115						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY	3:30:00 PM	49116						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY.fx	9:30:00 AM	49117						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY.fx	11:30:00 AM	49118						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY.fx	1:30:00 PM	49119						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADJPY.fx	3:30:00 PM	49120						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADMXN	9:30:00 AM	49121						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADMXN	11:30:00 AM	49122						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADMXN	1:30:00 PM	49123						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADMXN	3:30:00 PM	49124						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADNOK	9:30:00 AM	49125						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADNOK	11:30:00 AM	49126						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADNOK	1:30:00 PM	49127						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADNOK	3:30:00 PM	49128						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADPLN	9:30:00 AM	49129						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADPLN	11:30:00 AM	49130						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADPLN	1:30:00 PM	49131						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADPLN	3:30:00 PM	49132						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSEK	9:30:00 AM	49133						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSEK	11:30:00 AM	49134						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSEK	1:30:00 PM	49135						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSEK	3:30:00 PM	49136						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSGD	9:30:00 AM	49137						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSGD	11:30:00 AM	49138						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSGD	1:30:00 PM	49139						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADSGD	3:30:00 PM	49140						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADZAR	9:30:00 AM	49141						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	CADZAR	11:30:00 AM	49142						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADZAR	1:30:00 PM	49143						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CADZAR	3:30:00 PM	49144						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFCZK	9:30:00 AM	49145						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFCZK	11:30:00 AM	49146						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFCZK	1:30:00 PM	49147						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFCZK	3:30:00 PM	49148						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK	9:30:00 AM	49149						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK	11:30:00 AM	49150						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK	1:30:00 PM	49151						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK	3:30:00 PM	49152						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK.fx	9:30:00 AM	49153						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK.fx	11:30:00 AM	49154						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK.fx	1:30:00 PM	49155						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFDKK.fx	3:30:00 PM	49156						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHKD	9:30:00 AM	49157						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHKD	11:30:00 AM	49158						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHKD	1:30:00 PM	49159						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHKD	3:30:00 PM	49160						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHUF	9:30:00 AM	49161						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHUF	11:30:00 AM	49162						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHUF	1:30:00 PM	49163						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFHUF	3:30:00 PM	49164						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY	9:30:00 AM	49165						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY	11:30:00 AM	49166						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY	1:30:00 PM	49167						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY	3:30:00 PM	49168						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY.fx	9:30:00 AM	49169						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY.fx	11:30:00 AM	49170						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY.fx	1:30:00 PM	49171						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFJPY.fx	3:30:00 PM	49172						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFMXN	9:30:00 AM	49173						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFMXN	11:30:00 AM	49174						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFMXN	1:30:00 PM	49175						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	CHFMXN	3:30:00 PM	49176						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK	9:30:00 AM	49177						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK	11:30:00 AM	49178						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK	1:30:00 PM	49179						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK	3:30:00 PM	49180						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK.fx	9:30:00 AM	49181						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK.fx	11:30:00 AM	49182						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK.fx	1:30:00 PM	49183						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFNOK.fx	3:30:00 PM	49184						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN	9:30:00 AM	49185						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN	11:30:00 AM	49186						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN	1:30:00 PM	49187						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN	3:30:00 PM	49188						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN.fx	9:30:00 AM	49189						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN.fx	11:30:00 AM	49190						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN.fx	1:30:00 PM	49191						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFPLN.fx	3:30:00 PM	49192						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSEK	9:30:00 AM	49193						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSEK	11:30:00 AM	49194						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSEK	1:30:00 PM	49195						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSEK	3:30:00 PM	49196						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD	9:30:00 AM	49197						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD	11:30:00 AM	49198						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD	1:30:00 PM	49199						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD	3:30:00 PM	49200						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD.fx	9:30:00 AM	49201						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD.fx	11:30:00 AM	49202						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD.fx	1:30:00 PM	49203						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFSGD.fx	3:30:00 PM	49204						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFZAR	9:30:00 AM	49205						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFZAR	11:30:00 AM	49206						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFZAR	1:30:00 PM	49207						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CHFZAR	3:30:00 PM	49208						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CZKJPY	9:30:00 AM	49209						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	CZKJPY	11:30:00 AM	49210						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CZKJPY	1:30:00 PM	49211						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	CZKJPY	3:30:00 PM	49212						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DAX30.i	9:30:00 AM	49213						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DAX30.i	11:30:00 AM	49214						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DAX30.i	1:30:00 PM	49215						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DAX30.i	3:30:00 PM	49216						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DJ30.i	9:30:00 AM	49217						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DJ30.i	11:30:00 AM	49218						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DJ30.i	1:30:00 PM	49219						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DJ30.i	3:30:00 PM	49220						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DKKJPY	9:30:00 AM	49221						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DKKJPY	11:30:00 AM	49222						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DKKJPY	1:30:00 PM	49223						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	DKKJPY	3:30:00 PM	49224						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD	9:30:00 AM	49225						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD	11:30:00 AM	49226						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD	1:30:00 PM	49227						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD	3:30:00 PM	49228						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD.fx	9:30:00 AM	49229						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD.fx	11:30:00 AM	49230						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD.fx	1:30:00 PM	49231						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURAUD.fx	3:30:00 PM	49232						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD	9:30:00 AM	49233						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD	11:30:00 AM	49234						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD	1:30:00 PM	49235						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD	3:30:00 PM	49236						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD.fx	9:30:00 AM	49237						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD.fx	11:30:00 AM	49238						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD.fx	1:30:00 PM	49239						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCAD.fx	3:30:00 PM	49240						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF	9:30:00 AM	49241						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF	11:30:00 AM	49242						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF	1:30:00 PM	49243						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	EURCHF	3:30:00 PM	49244						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF.fx	9:30:00 AM	49245						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF.fx	11:30:00 AM	49246						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF.fx	1:30:00 PM	49247						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCHF.fx	3:30:00 PM	49248						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCZK	9:30:00 AM	49249						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCZK	11:30:00 AM	49250						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCZK	1:30:00 PM	49251						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURCZK	3:30:00 PM	49252						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURDKK	9:30:00 AM	49253						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURDKK	11:30:00 AM	49254						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURDKK	1:30:00 PM	49255						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURDKK	3:30:00 PM	49256						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP	9:30:00 AM	49257						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP	11:30:00 AM	49258						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP	1:30:00 PM	49259						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP	3:30:00 PM	49260						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP.fx	9:30:00 AM	49261						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP.fx	11:30:00 AM	49262						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP.fx	1:30:00 PM	49263						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURGBP.fx	3:30:00 PM	49264						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD	9:30:00 AM	49265						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD	11:30:00 AM	49266						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD	1:30:00 PM	49267						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD	3:30:00 PM	49268						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD.fx	9:30:00 AM	49269						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD.fx	11:30:00 AM	49270						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD.fx	1:30:00 PM	49271						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHKD.fx	3:30:00 PM	49272						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF	9:30:00 AM	49273						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF	11:30:00 AM	49274						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF	1:30:00 PM	49275						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF	3:30:00 PM	49276						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF.fx	9:30:00 AM	49277						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	EURHUF.fx	11:30:00 AM	49278						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF.fx	1:30:00 PM	49279						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURHUF.fx	3:30:00 PM	49280						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY	9:30:00 AM	49281						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY	11:30:00 AM	49282						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY	1:30:00 PM	49283						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY	3:30:00 PM	49284						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY.fx	9:30:00 AM	49285						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY.fx	11:30:00 AM	49286						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY.fx	1:30:00 PM	49287						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURJPY.fx	3:30:00 PM	49288						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN	9:30:00 AM	49289						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN	11:30:00 AM	49290						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN	1:30:00 PM	49291						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN	3:30:00 PM	49292						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN.fx	9:30:00 AM	49293						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN.fx	11:30:00 AM	49294						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN.fx	1:30:00 PM	49295						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURMXN.fx	3:30:00 PM	49296						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK	9:30:00 AM	49297						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK	11:30:00 AM	49298						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK	1:30:00 PM	49299						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK	3:30:00 PM	49300						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK.fx	9:30:00 AM	49301						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK.fx	11:30:00 AM	49302						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK.fx	1:30:00 PM	49303						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNOK.fx	3:30:00 PM	49304						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD	9:30:00 AM	49305						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD	11:30:00 AM	49306						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD	1:30:00 PM	49307						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD	3:30:00 PM	49308						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD.fx	9:30:00 AM	49309						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD.fx	11:30:00 AM	49310						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURNZD.fx	1:30:00 PM	49311						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	EURNZD.fx	3:30:00 PM	49312						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN	9:30:00 AM	49313						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN	11:30:00 AM	49314						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN	1:30:00 PM	49315						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN	3:30:00 PM	49316						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN.fx	9:30:00 AM	49317						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN.fx	11:30:00 AM	49318						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN.fx	1:30:00 PM	49319						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURPLN.fx	3:30:00 PM	49320						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURRUB	9:30:00 AM	49321						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURRUB	11:30:00 AM	49322						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURRUB	1:30:00 PM	49323						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURRUB	3:30:00 PM	49324						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK	9:30:00 AM	49325						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK	11:30:00 AM	49326						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK	1:30:00 PM	49327						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK	3:30:00 PM	49328						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK.fx	9:30:00 AM	49329						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK.fx	11:30:00 AM	49330						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK.fx	1:30:00 PM	49331						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSEK.fx	3:30:00 PM	49332						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD	9:30:00 AM	49333						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD	11:30:00 AM	49334						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD	1:30:00 PM	49335						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD	3:30:00 PM	49336						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD.fx	9:30:00 AM	49337						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD.fx	11:30:00 AM	49338						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD.fx	1:30:00 PM	49339						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURSGD.fx	3:30:00 PM	49340						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD	9:30:00 AM	49341						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD	11:30:00 AM	49342						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD	1:30:00 PM	49343						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD	3:30:00 PM	49344						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD.fx	9:30:00 AM	49345						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	EURUSD.fx	11:30:00 AM	49346						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD.fx	1:30:00 PM	49347						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURUSD.fx	3:30:00 PM	49348						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR	9:30:00 AM	49349						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR	11:30:00 AM	49350						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR	1:30:00 PM	49351						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR	3:30:00 PM	49352						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR.fx	9:30:00 AM	49353						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR.fx	11:30:00 AM	49354						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR.fx	1:30:00 PM	49355						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	EURZAR.fx	3:30:00 PM	49356						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD	9:30:00 AM	49357						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD	11:30:00 AM	49358						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD	1:30:00 PM	49359						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD	3:30:00 PM	49360						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD.fx	9:30:00 AM	49361						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD.fx	11:30:00 AM	49362						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD.fx	1:30:00 PM	49363						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPAUD.fx	3:30:00 PM	49364						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD	9:30:00 AM	49365						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD	11:30:00 AM	49366						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD	1:30:00 PM	49367						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD	3:30:00 PM	49368						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD.fx	9:30:00 AM	49369						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD.fx	11:30:00 AM	49370						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD.fx	1:30:00 PM	49371						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCAD.fx	3:30:00 PM	49372						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF	9:30:00 AM	49373						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF	11:30:00 AM	49374						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF	1:30:00 PM	49375						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF	3:30:00 PM	49376						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF.fx	9:30:00 AM	49377						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF.fx	11:30:00 AM	49378						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCHF.fx	1:30:00 PM	49379						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	GBPCHF.fx	3:30:00 PM	49380						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCZK	9:30:00 AM	49381						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCZK	11:30:00 AM	49382						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCZK	1:30:00 PM	49383						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPCZK	3:30:00 PM	49384						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK	9:30:00 AM	49385						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK	11:30:00 AM	49386						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK	1:30:00 PM	49387						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK	3:30:00 PM	49388						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK.fx	9:30:00 AM	49389						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK.fx	11:30:00 AM	49390						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK.fx	1:30:00 PM	49391						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPDKK.fx	3:30:00 PM	49392						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHKD	9:30:00 AM	49393						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHKD	11:30:00 AM	49394						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHKD	1:30:00 PM	49395						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHKD	3:30:00 PM	49396						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHUF	9:30:00 AM	49397						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHUF	11:30:00 AM	49398						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHUF	1:30:00 PM	49399						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPHUF	3:30:00 PM	49400						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY	9:30:00 AM	49401						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY	11:30:00 AM	49402						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY	1:30:00 PM	49403						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY	3:30:00 PM	49404						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY.fx	9:30:00 AM	49405						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY.fx	11:30:00 AM	49406						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY.fx	1:30:00 PM	49407						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPJPY.fx	3:30:00 PM	49408						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPMXN	9:30:00 AM	49409						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPMXN	11:30:00 AM	49410						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPMXN	1:30:00 PM	49411						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPMXN	3:30:00 PM	49412						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK	9:30:00 AM	49413						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	GBPNOK	11:30:00 AM	49414						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK	1:30:00 PM	49415						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK	3:30:00 PM	49416						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK.fx	9:30:00 AM	49417						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK.fx	11:30:00 AM	49418						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK.fx	1:30:00 PM	49419						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNOK.fx	3:30:00 PM	49420						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD	9:30:00 AM	49421						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD	11:30:00 AM	49422						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD	1:30:00 PM	49423						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD	3:30:00 PM	49424						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD.fx	9:30:00 AM	49425						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD.fx	11:30:00 AM	49426						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD.fx	1:30:00 PM	49427						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPNZD.fx	3:30:00 PM	49428						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN	9:30:00 AM	49429						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN	11:30:00 AM	49430						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN	1:30:00 PM	49431						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN	3:30:00 PM	49432						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN.fx	9:30:00 AM	49433						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN.fx	11:30:00 AM	49434						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN.fx	1:30:00 PM	49435						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPPLN.fx	3:30:00 PM	49436						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK	9:30:00 AM	49437						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK	11:30:00 AM	49438						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK	1:30:00 PM	49439						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK	3:30:00 PM	49440						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK.fx	9:30:00 AM	49441						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK.fx	11:30:00 AM	49442						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK.fx	1:30:00 PM	49443						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSEK.fx	3:30:00 PM	49444						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD	9:30:00 AM	49445						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD	11:30:00 AM	49446						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD	1:30:00 PM	49447						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	GBPSGD	3:30:00 PM	49448						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD.fx	9:30:00 AM	49449						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD.fx	11:30:00 AM	49450						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD.fx	1:30:00 PM	49451						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPSGD.fx	3:30:00 PM	49452						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD	9:30:00 AM	49453						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD	11:30:00 AM	49454						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD	1:30:00 PM	49455						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD	3:30:00 PM	49456						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD.fx	9:30:00 AM	49457						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD.fx	11:30:00 AM	49458						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD.fx	1:30:00 PM	49459						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPUSD.fx	3:30:00 PM	49460						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR	9:30:00 AM	49461						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR	11:30:00 AM	49462						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR	1:30:00 PM	49463						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR	3:30:00 PM	49464						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR.fx	9:30:00 AM	49465						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR.fx	11:30:00 AM	49466						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR.fx	1:30:00 PM	49467						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GBPZAR.fx	3:30:00 PM	49468						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GOLD	9:30:00 AM	49469						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GOLD	11:30:00 AM	49470						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GOLD	1:30:00 PM	49471						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	GOLD	3:30:00 PM	49472						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY	9:30:00 AM	49473						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY	11:30:00 AM	49474						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY	1:30:00 PM	49475						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY	3:30:00 PM	49476						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY.fx	9:30:00 AM	49477						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY.fx	11:30:00 AM	49478						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY.fx	1:30:00 PM	49479						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HKDJPY.fx	3:30:00 PM	49480						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HUFJPY	9:30:00 AM	49481						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	HUFJPY	11:30:00 AM	49482						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HUFJPY	1:30:00 PM	49483						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	HUFJPY	3:30:00 PM	49484						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JP225.i	9:30:00 AM	49485						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JP225.i	11:30:00 AM	49486						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JP225.i	1:30:00 PM	49487						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JP225.i	3:30:00 PM	49488						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	MXNJPY	9:30:00 AM	49489						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	MXNJPY	11:30:00 AM	49490						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	MXNJPY	1:30:00 PM	49491						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	MXNJPY	3:30:00 PM	49492						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NASDAQ.i	9:30:00 AM	49493						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NASDAQ.i	11:30:00 AM	49494						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NASDAQ.i	1:30:00 PM	49495						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NASDAQ.i	3:30:00 PM	49496						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY	9:30:00 AM	49497						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY	11:30:00 AM	49498						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY	1:30:00 PM	49499						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY	3:30:00 PM	49500						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY.fx	9:30:00 AM	49501						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY.fx	11:30:00 AM	49502						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY.fx	1:30:00 PM	49503						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NOKJPY.fx	3:30:00 PM	49504						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD	9:30:00 AM	49505						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD	11:30:00 AM	49506						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD	1:30:00 PM	49507						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD	3:30:00 PM	49508						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD.fx	9:30:00 AM	49509						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD.fx	11:30:00 AM	49510						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD.fx	1:30:00 PM	49511						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCAD.fx	3:30:00 PM	49512						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF	9:30:00 AM	49513						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF	11:30:00 AM	49514						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF	1:30:00 PM	49515						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	NZDCHF	3:30:00 PM	49516						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF.fx	9:30:00 AM	49517						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF.fx	11:30:00 AM	49518						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF.fx	1:30:00 PM	49519						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCHF.fx	3:30:00 PM	49520						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCZK	9:30:00 AM	49521						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCZK	11:30:00 AM	49522						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCZK	1:30:00 PM	49523						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDCZK	3:30:00 PM	49524						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDDKK	9:30:00 AM	49525						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDDKK	11:30:00 AM	49526						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDDKK	1:30:00 PM	49527						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDDKK	3:30:00 PM	49528						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHKD	9:30:00 AM	49529						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHKD	11:30:00 AM	49530						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHKD	1:30:00 PM	49531						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHKD	3:30:00 PM	49532						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHUF	9:30:00 AM	49533						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHUF	11:30:00 AM	49534						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHUF	1:30:00 PM	49535						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDHUF	3:30:00 PM	49536						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY	9:30:00 AM	49537						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY	11:30:00 AM	49538						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY	1:30:00 PM	49539						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY	3:30:00 PM	49540						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY.fx	9:30:00 AM	49541						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY.fx	11:30:00 AM	49542						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY.fx	1:30:00 PM	49543						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDJPY.fx	3:30:00 PM	49544						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDMXN	9:30:00 AM	49545						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDMXN	11:30:00 AM	49546						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDMXN	1:30:00 PM	49547						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDMXN	3:30:00 PM	49548						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDNOK	9:30:00 AM	49549						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	NZDNOK	11:30:00 AM	49550						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDNOK	1:30:00 PM	49551						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDNOK	3:30:00 PM	49552						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDPLN	9:30:00 AM	49553						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDPLN	11:30:00 AM	49554						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDPLN	1:30:00 PM	49555						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDPLN	3:30:00 PM	49556						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSEK	9:30:00 AM	49557						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSEK	11:30:00 AM	49558						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSEK	1:30:00 PM	49559						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSEK	3:30:00 PM	49560						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD	9:30:00 AM	49561						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD	11:30:00 AM	49562						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD	1:30:00 PM	49563						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD	3:30:00 PM	49564						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD.fx	9:30:00 AM	49565						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD.fx	11:30:00 AM	49566						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD.fx	1:30:00 PM	49567						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDSGD.fx	3:30:00 PM	49568						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD	9:30:00 AM	49569						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD	11:30:00 AM	49570						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD	1:30:00 PM	49571						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD	3:30:00 PM	49572						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD.fx	9:30:00 AM	49573						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD.fx	11:30:00 AM	49574						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD.fx	1:30:00 PM	49575						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDUSD.fx	3:30:00 PM	49576						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDZAR	9:30:00 AM	49577						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDZAR	11:30:00 AM	49578						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDZAR	1:30:00 PM	49579						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	NZDZAR	3:30:00 PM	49580						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY	9:30:00 AM	49581						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY	11:30:00 AM	49582						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY	1:30:00 PM	49583						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	SEKJPY	3:30:00 PM	49584						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY.fx	9:30:00 AM	49585						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY.fx	11:30:00 AM	49586						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY.fx	1:30:00 PM	49587						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SEKJPY.fx	3:30:00 PM	49588						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SGDJPY	9:30:00 AM	49589						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SGDJPY	11:30:00 AM	49590						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SGDJPY	1:30:00 PM	49591						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SGDJPY	3:30:00 PM	49592						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SILVER	9:30:00 AM	49593						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SILVER	11:30:00 AM	49594						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SILVER	1:30:00 PM	49595						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SILVER	3:30:00 PM	49596						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SPX500.i	9:30:00 AM	49597						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SPX500.i	11:30:00 AM	49598						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SPX500.i	1:30:00 PM	49599						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	SPX500.i	3:30:00 PM	49600						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	UK100.i	9:30:00 AM	49601						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	UK100.i	11:30:00 AM	49602						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	UK100.i	1:30:00 PM	49603						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	UK100.i	3:30:00 PM	49604						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD	9:30:00 AM	49605						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD	11:30:00 AM	49606						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD	1:30:00 PM	49607						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD	3:30:00 PM	49608						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD.fx	9:30:00 AM	49609						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD.fx	11:30:00 AM	49610						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD.fx	1:30:00 PM	49611						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCAD.fx	3:30:00 PM	49612						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF	9:30:00 AM	49613						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF	11:30:00 AM	49614						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF	1:30:00 PM	49615						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF	3:30:00 PM	49616						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF.fx	9:30:00 AM	49617						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	USDCHF.fx	11:30:00 AM	49618						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF.fx	1:30:00 PM	49619						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCHF.fx	3:30:00 PM	49620						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK	9:30:00 AM	49621						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK	11:30:00 AM	49622						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK	1:30:00 PM	49623						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK	3:30:00 PM	49624						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK.fx	9:30:00 AM	49625						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK.fx	11:30:00 AM	49626						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK.fx	1:30:00 PM	49627						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDCZK.fx	3:30:00 PM	49628						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK	9:30:00 AM	49629						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK	11:30:00 AM	49630						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK	1:30:00 PM	49631						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK	3:30:00 PM	49632						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK.fx	9:30:00 AM	49633						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK.fx	11:30:00 AM	49634						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK.fx	1:30:00 PM	49635						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDDKK.fx	3:30:00 PM	49636						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD	9:30:00 AM	49637						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD	11:30:00 AM	49638						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD	1:30:00 PM	49639						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD	3:30:00 PM	49640						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD.fx	9:30:00 AM	49641						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD.fx	11:30:00 AM	49642						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD.fx	1:30:00 PM	49643						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHKD.fx	3:30:00 PM	49644						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF	9:30:00 AM	49645						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF	11:30:00 AM	49646						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF	1:30:00 PM	49647						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF	3:30:00 PM	49648						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF.fx	9:30:00 AM	49649						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF.fx	11:30:00 AM	49650						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDHUF.fx	1:30:00 PM	49651						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	USDHUF.fx	3:30:00 PM	49652						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDINR	9:30:00 AM	49653						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDINR	11:30:00 AM	49654						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDINR	1:30:00 PM	49655						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDINR	3:30:00 PM	49656						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY	9:30:00 AM	49657						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY	11:30:00 AM	49658						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY	1:30:00 PM	49659						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY	3:30:00 PM	49660						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY.fx	9:30:00 AM	49661						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY.fx	11:30:00 AM	49662						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY.fx	1:30:00 PM	49663						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDJPY.fx	3:30:00 PM	49664						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDMXN	9:30:00 AM	49665						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDMXN	11:30:00 AM	49666						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDMXN	1:30:00 PM	49667						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDMXN	3:30:00 PM	49668						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JSDMXN.fx	9:30:00 AM	49669						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JSDMXN.fx	11:30:00 AM	49670						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JSDMXN.fx	1:30:00 PM	49671						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	JSDMXN.fx	3:30:00 PM	49672						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK	9:30:00 AM	49673						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK	11:30:00 AM	49674						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK	1:30:00 PM	49675						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK	3:30:00 PM	49676						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK.fx	9:30:00 AM	49677						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK.fx	11:30:00 AM	49678						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK.fx	1:30:00 PM	49679						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDNOK.fx	3:30:00 PM	49680						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN	9:30:00 AM	49681						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN	11:30:00 AM	49682						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN	1:30:00 PM	49683						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN	3:30:00 PM	49684						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN.fx	9:30:00 AM	49685						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	USDPLN.fx	11:30:00 AM	49686						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN.fx	1:30:00 PM	49687						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDPLN.fx	3:30:00 PM	49688						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDRUB	9:30:00 AM	49689						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDRUB	11:30:00 AM	49690						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDRUB	1:30:00 PM	49691						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDRUB	3:30:00 PM	49692						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK	9:30:00 AM	49693						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK	11:30:00 AM	49694						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK	1:30:00 PM	49695						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK	3:30:00 PM	49696						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK.fx	9:30:00 AM	49697						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK.fx	11:30:00 AM	49698						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK.fx	1:30:00 PM	49699						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSEK.fx	3:30:00 PM	49700						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD	9:30:00 AM	49701						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD	11:30:00 AM	49702						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD	1:30:00 PM	49703						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD	3:30:00 PM	49704						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD.fx	9:30:00 AM	49705						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD.fx	11:30:00 AM	49706						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD.fx	1:30:00 PM	49707						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDSGD.fx	3:30:00 PM	49708						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR	9:30:00 AM	49709						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR	11:30:00 AM	49710						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR	1:30:00 PM	49711						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR	3:30:00 PM	49712						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR.fx	9:30:00 AM	49713						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR.fx	11:30:00 AM	49714						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR.fx	1:30:00 PM	49715						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	USDZAR.fx	3:30:00 PM	49716						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	XAUUSD	9:30:00 AM	49717						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	XAUUSD	11:30:00 AM	49718						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	XAUUSD	1:30:00 PM	49719						Continuous Quote	N/A	ELECTRONIC	N/A

11/11/2019	XAUUSD	3:30:00 PM	49720						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY	9:30:00 AM	49721						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY	11:30:00 AM	49722						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY	1:30:00 PM	49723						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY	3:30:00 PM	49724						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY.fx	9:30:00 AM	49725						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY.fx	11:30:00 AM	49726						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY.fx	1:30:00 PM	49727						Continuous Quote	N/A	ELECTRONIC	N/A
11/11/2019	ZARJPY.fx	3:30:00 PM	49728						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AA	9:30:00 AM	49729						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	#AA	1:30:00 PM	49731						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AA	3:30:00 PM	49732						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AABA	9:30:00 AM	49733						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	#AABA	1:30:00 PM	49735						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AABA	3:30:00 PM	49736						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAL	9:30:00 AM	49737						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAL	11:30:00 AM	49738						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAL	1:30:00 PM	49739						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAL	3:30:00 PM	49740						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAPL	9:30:00 AM	49741						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAPL	11:30:00 AM	49742						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAPL	1:30:00 PM	49743						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AAPL	3:30:00 PM	49744						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#ADBE	9:30:00 AM	49745						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	#ADBE	1:30:00 PM	49747						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#ADBE	3:30:00 PM	49748						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AIG	9:30:00 AM	49749						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AIG	11:30:00 AM	49750						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AIG	1:30:00 PM	49751						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AIG	3:30:00 PM	49752						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMD	9:30:00 AM	49753						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	#AMD	11:30:00 AM	49754						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMD	1:30:00 PM	49755						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMD	3:30:00 PM	49756						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMZN	9:30:00 AM	49757						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMZN	11:30:00 AM	49758						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMZN	1:30:00 PM	49759						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AMZN	3:30:00 PM	49760						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AXP	9:30:00 AM	49761						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AXP	11:30:00 AM	49762						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AXP	1:30:00 PM	49763						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#AXP	3:30:00 PM	49764						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BA	9:30:00 AM	49765						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BA	11:30:00 AM	49766						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BA	1:30:00 PM	49767						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BA	3:30:00 PM	49768						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BABA	9:30:00 AM	49769						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BABA	11:30:00 AM	49770						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BABA	1:30:00 PM	49771						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BABA	3:30:00 PM	49772						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BAC	9:30:00 AM	49773						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BAC	11:30:00 AM	49774						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BAC	1:30:00 PM	49775						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BAC	3:30:00 PM	49776						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BARC	9:30:00 AM	49777						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BARC	11:30:00 AM	49778						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BARC	1:30:00 PM	49779						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	#BARC	3:30:00 PM	49780						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	AUDCHF.fx	1:30:00 PM	50187						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDCHF.fx	3:30:00 PM	50188						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDCZK	9:30:00 AM	50189						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDCZK	11:30:00 AM	50190						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDCZK	1:30:00 PM	50191						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDCZK	3:30:00 PM	50192						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDDKK	9:30:00 AM	50193						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDDKK	11:30:00 AM	50194						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDDKK	1:30:00 PM	50195						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	AUDDKK	3:30:00 PM	50196						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHKD	9:30:00 AM	50197						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHKD	11:30:00 AM	50198						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHKD	1:30:00 PM	50199						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHKD	3:30:00 PM	50200						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHUF	9:30:00 AM	50201						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHUF	11:30:00 AM	50202						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHUF	1:30:00 PM	50203						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDHUF	3:30:00 PM	50204						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY	9:30:00 AM	50205						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY	11:30:00 AM	50206						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY	1:30:00 PM	50207						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY	3:30:00 PM	50208						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY.fx	9:30:00 AM	50209						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY.fx	11:30:00 AM	50210						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY.fx	1:30:00 PM	50211						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDJPY.fx	3:30:00 PM	50212						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDMXN	9:30:00 AM	50213						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDMXN	11:30:00 AM	50214						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDMXN	1:30:00 PM	50215						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDMXN	3:30:00 PM	50216						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK	9:30:00 AM	50217						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK	11:30:00 AM	50218						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK	1:30:00 PM	50219						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK	3:30:00 PM	50220						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK.fx	9:30:00 AM	50221						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK.fx	11:30:00 AM	50222						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK.fx	1:30:00 PM	50223						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNOK.fx	3:30:00 PM	50224						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD	9:30:00 AM	50225						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD	11:30:00 AM	50226						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD	1:30:00 PM	50227						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD	3:30:00 PM	50228						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD.fx	9:30:00 AM	50229						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	AUDNZD.fx	11:30:00 AM	50230						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD.fx	1:30:00 PM	50231						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDNZD.fx	3:30:00 PM	50232						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDPLN	9:30:00 AM	50233						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDPLN	11:30:00 AM	50234						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDPLN	1:30:00 PM	50235						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDPLN	3:30:00 PM	50236						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK	9:30:00 AM	50237						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK	11:30:00 AM	50238						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK	1:30:00 PM	50239						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK	3:30:00 PM	50240						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK.fx	9:30:00 AM	50241						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK.fx	11:30:00 AM	50242						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK.fx	1:30:00 PM	50243						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSEK.fx	3:30:00 PM	50244						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD	9:30:00 AM	50245						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD	11:30:00 AM	50246						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD	1:30:00 PM	50247						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD	3:30:00 PM	50248						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD.fx	9:30:00 AM	50249						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD.fx	11:30:00 AM	50250						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD.fx	1:30:00 PM	50251						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDSGD.fx	3:30:00 PM	50252						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD	9:30:00 AM	50253						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD	11:30:00 AM	50254						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD	1:30:00 PM	50255						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD	3:30:00 PM	50256						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	AUDUSD.fx	11:30:00 AM	50258						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD.fx	1:30:00 PM	50259						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDUSD.fx	3:30:00 PM	50260						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDZAR	9:30:00 AM	50261						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDZAR	11:30:00 AM	50262						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUDZAR	1:30:00 PM	50263						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	AUDZAR	3:30:00 PM	50264						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	AUS200.i	11:30:00 AM	50266						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUS200.i	1:30:00 PM	50267						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	AUS200.i	3:30:00 PM	50268						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	BCHUSD	9:30:00 AM	50269						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	BCHUSD	11:30:00 AM	50270						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	BCHUSD	1:30:00 PM	50271						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	BCHUSD	3:30:00 PM	50272						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF	9:30:00 AM	50273						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF	11:30:00 AM	50274						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF	1:30:00 PM	50275						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF	3:30:00 PM	50276						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF.fx	9:30:00 AM	50277						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF.fx	11:30:00 AM	50278						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF.fx	1:30:00 PM	50279						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCHF.fx	3:30:00 PM	50280						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCZK	9:30:00 AM	50281						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCZK	11:30:00 AM	50282						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCZK	1:30:00 PM	50283						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADCZK	3:30:00 PM	50284						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADDDKK	9:30:00 AM	50285						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADDDKK	11:30:00 AM	50286						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADDDKK	1:30:00 PM	50287						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADDDKK	3:30:00 PM	50288						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHKD	9:30:00 AM	50289						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHKD	11:30:00 AM	50290						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHKD	1:30:00 PM	50291						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHKD	3:30:00 PM	50292						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHUF	9:30:00 AM	50293						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHUF	11:30:00 AM	50294						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHUF	1:30:00 PM	50295						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADHUF	3:30:00 PM	50296						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY	9:30:00 AM	50297						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	CADJPY	11:30:00 AM	50298						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY	1:30:00 PM	50299						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY	3:30:00 PM	50300						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY.fx	9:30:00 AM	50301						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY.fx	11:30:00 AM	50302						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY.fx	1:30:00 PM	50303						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADJPY.fx	3:30:00 PM	50304						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADMXN	9:30:00 AM	50305						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADMXN	11:30:00 AM	50306						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADMXN	1:30:00 PM	50307						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADMXN	3:30:00 PM	50308						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADNOK	9:30:00 AM	50309						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADNOK	11:30:00 AM	50310						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADNOK	1:30:00 PM	50311						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADNOK	3:30:00 PM	50312						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADPLN	9:30:00 AM	50313						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADPLN	11:30:00 AM	50314						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADPLN	1:30:00 PM	50315						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADPLN	3:30:00 PM	50316						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSEK	9:30:00 AM	50317						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSEK	11:30:00 AM	50318						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSEK	1:30:00 PM	50319						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSEK	3:30:00 PM	50320						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSGD	9:30:00 AM	50321						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSGD	11:30:00 AM	50322						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSGD	1:30:00 PM	50323						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADSGD	3:30:00 PM	50324						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADZAR	9:30:00 AM	50325						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADZAR	11:30:00 AM	50326						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADZAR	1:30:00 PM	50327						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CADZAR	3:30:00 PM	50328						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFCZK	9:30:00 AM	50329						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFCZK	11:30:00 AM	50330						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFCZK	1:30:00 PM	50331						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	CHFCZK	3:30:00 PM	50332						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK	9:30:00 AM	50333						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK	11:30:00 AM	50334						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK	1:30:00 PM	50335						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK	3:30:00 PM	50336						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK.fx	9:30:00 AM	50337						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK.fx	11:30:00 AM	50338						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK.fx	1:30:00 PM	50339						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFDKK.fx	3:30:00 PM	50340						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHKD	9:30:00 AM	50341						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHKD	11:30:00 AM	50342						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHKD	1:30:00 PM	50343						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHKD	3:30:00 PM	50344						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHUF	9:30:00 AM	50345						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHUF	11:30:00 AM	50346						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHUF	1:30:00 PM	50347						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFHUF	3:30:00 PM	50348						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY	9:30:00 AM	50349						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY	11:30:00 AM	50350						Continuous Quote	N/A	ELECTRONIC	N/A
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11/12/2019	CHFJPY	3:30:00 PM	50352						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY.fx	9:30:00 AM	50353						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY.fx	11:30:00 AM	50354						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY.fx	1:30:00 PM	50355						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFJPY.fx	3:30:00 PM	50356						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFMXN	9:30:00 AM	50357						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFMXN	11:30:00 AM	50358						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFMXN	1:30:00 PM	50359						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFMXN	3:30:00 PM	50360						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK	9:30:00 AM	50361						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK	11:30:00 AM	50362						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK	1:30:00 PM	50363						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK	3:30:00 PM	50364						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK.fx	9:30:00 AM	50365						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	CHFNOK.fx	11:30:00 AM	50366						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK.fx	1:30:00 PM	50367						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFNOK.fx	3:30:00 PM	50368						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN	9:30:00 AM	50369						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN	11:30:00 AM	50370						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN	1:30:00 PM	50371						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN	3:30:00 PM	50372						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN.fx	9:30:00 AM	50373						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN.fx	11:30:00 AM	50374						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN.fx	1:30:00 PM	50375						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFPLN.fx	3:30:00 PM	50376						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSEK	9:30:00 AM	50377						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSEK	11:30:00 AM	50378						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSEK	1:30:00 PM	50379						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSEK	3:30:00 PM	50380						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD	9:30:00 AM	50381						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD	11:30:00 AM	50382						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD	1:30:00 PM	50383						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD	3:30:00 PM	50384						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD.fx	9:30:00 AM	50385						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD.fx	11:30:00 AM	50386						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD.fx	1:30:00 PM	50387						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFSGD.fx	3:30:00 PM	50388						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFZAR	9:30:00 AM	50389						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFZAR	11:30:00 AM	50390						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFZAR	1:30:00 PM	50391						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CHFZAR	3:30:00 PM	50392						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CZKJPY	9:30:00 AM	50393						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CZKJPY	11:30:00 AM	50394						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CZKJPY	1:30:00 PM	50395						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	CZKJPY	3:30:00 PM	50396						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DAX30.i	9:30:00 AM	50397						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DAX30.i	11:30:00 AM	50398						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DAX30.i	1:30:00 PM	50399						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	DAX30.i	3:30:00 PM	50400						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DJ30.i	9:30:00 AM	50401						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DJ30.i	11:30:00 AM	50402						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DJ30.i	1:30:00 PM	50403						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DJ30.i	3:30:00 PM	50404						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DKKJPY	9:30:00 AM	50405						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DKKJPY	11:30:00 AM	50406						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DKKJPY	1:30:00 PM	50407						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	DKKJPY	3:30:00 PM	50408						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD	9:30:00 AM	50409						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD	11:30:00 AM	50410						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD	1:30:00 PM	50411						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD	3:30:00 PM	50412						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD.fx	9:30:00 AM	50413						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD.fx	11:30:00 AM	50414						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD.fx	1:30:00 PM	50415						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURAUD.fx	3:30:00 PM	50416						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD	9:30:00 AM	50417						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD	11:30:00 AM	50418						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD	1:30:00 PM	50419						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD	3:30:00 PM	50420						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD.fx	9:30:00 AM	50421						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD.fx	11:30:00 AM	50422						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD.fx	1:30:00 PM	50423						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCAD.fx	3:30:00 PM	50424						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF	9:30:00 AM	50425						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF	11:30:00 AM	50426						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF	1:30:00 PM	50427						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF	3:30:00 PM	50428						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF.fx	9:30:00 AM	50429						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF.fx	11:30:00 AM	50430						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF.fx	1:30:00 PM	50431						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCHF.fx	3:30:00 PM	50432						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCZK	9:30:00 AM	50433						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	EURCZK	11:30:00 AM	50434						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCZK	1:30:00 PM	50435						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURCZK	3:30:00 PM	50436						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURDKK	9:30:00 AM	50437						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURDKK	11:30:00 AM	50438						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURDKK	1:30:00 PM	50439						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURDKK	3:30:00 PM	50440						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP	9:30:00 AM	50441						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP	11:30:00 AM	50442						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP	1:30:00 PM	50443						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP	3:30:00 PM	50444						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP.fx	9:30:00 AM	50445						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP.fx	11:30:00 AM	50446						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP.fx	1:30:00 PM	50447						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURGBP.fx	3:30:00 PM	50448						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD	9:30:00 AM	50449						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD	11:30:00 AM	50450						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD	1:30:00 PM	50451						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD	3:30:00 PM	50452						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD.fx	9:30:00 AM	50453						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD.fx	11:30:00 AM	50454						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD.fx	1:30:00 PM	50455						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHKD.fx	3:30:00 PM	50456						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF	9:30:00 AM	50457						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF	11:30:00 AM	50458						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF	1:30:00 PM	50459						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF	3:30:00 PM	50460						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF.fx	9:30:00 AM	50461						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF.fx	11:30:00 AM	50462						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF.fx	1:30:00 PM	50463						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURHUF.fx	3:30:00 PM	50464						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY	9:30:00 AM	50465						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY	11:30:00 AM	50466						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY	1:30:00 PM	50467						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	EURJPY	3:30:00 PM	50468						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY.fx	9:30:00 AM	50469						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY.fx	11:30:00 AM	50470						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY.fx	1:30:00 PM	50471						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURJPY.fx	3:30:00 PM	50472						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN	9:30:00 AM	50473						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN	11:30:00 AM	50474						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN	1:30:00 PM	50475						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN	3:30:00 PM	50476						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN.fx	9:30:00 AM	50477						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN.fx	11:30:00 AM	50478						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN.fx	1:30:00 PM	50479						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURMXN.fx	3:30:00 PM	50480						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK	9:30:00 AM	50481						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK	11:30:00 AM	50482						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK	1:30:00 PM	50483						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK	3:30:00 PM	50484						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK.fx	9:30:00 AM	50485						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK.fx	11:30:00 AM	50486						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK.fx	1:30:00 PM	50487						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNOK.fx	3:30:00 PM	50488						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD	9:30:00 AM	50489						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD	11:30:00 AM	50490						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD	1:30:00 PM	50491						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD	3:30:00 PM	50492						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD.fx	9:30:00 AM	50493						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD.fx	11:30:00 AM	50494						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD.fx	1:30:00 PM	50495						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURNZD.fx	3:30:00 PM	50496						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN	9:30:00 AM	50497						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN	11:30:00 AM	50498						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN	1:30:00 PM	50499						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN	3:30:00 PM	50500						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN.fx	9:30:00 AM	50501						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	EURPLN.fx	11:30:00 AM	50502						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN.fx	1:30:00 PM	50503						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURPLN.fx	3:30:00 PM	50504						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURRUB	9:30:00 AM	50505						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURRUB	11:30:00 AM	50506						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURRUB	1:30:00 PM	50507						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURRUB	3:30:00 PM	50508						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK	9:30:00 AM	50509						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK	11:30:00 AM	50510						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK	1:30:00 PM	50511						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK	3:30:00 PM	50512						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK.fx	9:30:00 AM	50513						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK.fx	11:30:00 AM	50514						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK.fx	1:30:00 PM	50515						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSEK.fx	3:30:00 PM	50516						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD	9:30:00 AM	50517						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD	11:30:00 AM	50518						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD	1:30:00 PM	50519						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD	3:30:00 PM	50520						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD.fx	9:30:00 AM	50521						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD.fx	11:30:00 AM	50522						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD.fx	1:30:00 PM	50523						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURSGD.fx	3:30:00 PM	50524						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD	9:30:00 AM	50525						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD	11:30:00 AM	50526						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD	1:30:00 PM	50527						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD	3:30:00 PM	50528						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD.fx	9:30:00 AM	50529						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD.fx	11:30:00 AM	50530						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD.fx	1:30:00 PM	50531						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURUSD.fx	3:30:00 PM	50532						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR	9:30:00 AM	50533						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR	11:30:00 AM	50534						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR	1:30:00 PM	50535						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	EURZAR	3:30:00 PM	50536						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR.fx	9:30:00 AM	50537						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR.fx	11:30:00 AM	50538						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR.fx	1:30:00 PM	50539						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	EURZAR.fx	3:30:00 PM	50540						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD	9:30:00 AM	50541						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD	11:30:00 AM	50542						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD	1:30:00 PM	50543						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD	3:30:00 PM	50544						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD.fx	9:30:00 AM	50545						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD.fx	11:30:00 AM	50546						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD.fx	1:30:00 PM	50547						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPAUD.fx	3:30:00 PM	50548						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD	9:30:00 AM	50549						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD	11:30:00 AM	50550						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD	1:30:00 PM	50551						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD	3:30:00 PM	50552						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD.fx	9:30:00 AM	50553						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD.fx	11:30:00 AM	50554						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD.fx	1:30:00 PM	50555						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCAD.fx	3:30:00 PM	50556						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF	9:30:00 AM	50557						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF	11:30:00 AM	50558						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF	1:30:00 PM	50559						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF	3:30:00 PM	50560						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF.fx	9:30:00 AM	50561						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF.fx	11:30:00 AM	50562						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF.fx	1:30:00 PM	50563						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCHF.fx	3:30:00 PM	50564						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCZK	9:30:00 AM	50565						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCZK	11:30:00 AM	50566						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCZK	1:30:00 PM	50567						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPCZK	3:30:00 PM	50568						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK	9:30:00 AM	50569						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	GBPDKK	11:30:00 AM	50570						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK	1:30:00 PM	50571						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK	3:30:00 PM	50572						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK.fx	9:30:00 AM	50573						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK.fx	11:30:00 AM	50574						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK.fx	1:30:00 PM	50575						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPDKK.fx	3:30:00 PM	50576						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHKD	9:30:00 AM	50577						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHKD	11:30:00 AM	50578						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHKD	1:30:00 PM	50579						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHKD	3:30:00 PM	50580						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHUF	9:30:00 AM	50581						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHUF	11:30:00 AM	50582						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHUF	1:30:00 PM	50583						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPHUF	3:30:00 PM	50584						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY	9:30:00 AM	50585						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY	11:30:00 AM	50586						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY	1:30:00 PM	50587						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY	3:30:00 PM	50588						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY.fx	9:30:00 AM	50589						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY.fx	11:30:00 AM	50590						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY.fx	1:30:00 PM	50591						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPJPY.fx	3:30:00 PM	50592						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPMXN	9:30:00 AM	50593						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPMXN	11:30:00 AM	50594						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPMXN	1:30:00 PM	50595						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPMXN	3:30:00 PM	50596						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK	9:30:00 AM	50597						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK	11:30:00 AM	50598						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK	1:30:00 PM	50599						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK	3:30:00 PM	50600						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK.fx	9:30:00 AM	50601						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK.fx	11:30:00 AM	50602						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNOK.fx	1:30:00 PM	50603						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	GBPNOK.fx	3:30:00 PM	50604						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD	9:30:00 AM	50605						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD	11:30:00 AM	50606						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD	1:30:00 PM	50607						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD	3:30:00 PM	50608						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD.fx	9:30:00 AM	50609						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD.fx	11:30:00 AM	50610						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD.fx	1:30:00 PM	50611						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPNZD.fx	3:30:00 PM	50612						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN	9:30:00 AM	50613						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN	11:30:00 AM	50614						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN	1:30:00 PM	50615						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN	3:30:00 PM	50616						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN.fx	9:30:00 AM	50617						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN.fx	11:30:00 AM	50618						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN.fx	1:30:00 PM	50619						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPPLN.fx	3:30:00 PM	50620						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK	9:30:00 AM	50621						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK	11:30:00 AM	50622						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK	1:30:00 PM	50623						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK	3:30:00 PM	50624						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK.fx	9:30:00 AM	50625						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK.fx	11:30:00 AM	50626						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK.fx	1:30:00 PM	50627						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSEK.fx	3:30:00 PM	50628						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD	9:30:00 AM	50629						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD	11:30:00 AM	50630						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD	1:30:00 PM	50631						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD	3:30:00 PM	50632						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD.fx	9:30:00 AM	50633						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD.fx	11:30:00 AM	50634						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD.fx	1:30:00 PM	50635						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPSGD.fx	3:30:00 PM	50636						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD	9:30:00 AM	50637						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	GBPUSD	11:30:00 AM	50638						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD	1:30:00 PM	50639						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD	3:30:00 PM	50640						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD.fx	9:30:00 AM	50641						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD.fx	11:30:00 AM	50642						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD.fx	1:30:00 PM	50643						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPUSD.fx	3:30:00 PM	50644						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR	9:30:00 AM	50645						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR	11:30:00 AM	50646						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR	1:30:00 PM	50647						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR	3:30:00 PM	50648						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR.fx	9:30:00 AM	50649						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR.fx	11:30:00 AM	50650						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR.fx	1:30:00 PM	50651						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GBPZAR.fx	3:30:00 PM	50652						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GOLD	9:30:00 AM	50653						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GOLD	11:30:00 AM	50654						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GOLD	1:30:00 PM	50655						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	GOLD	3:30:00 PM	50656						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY	9:30:00 AM	50657						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY	11:30:00 AM	50658						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY	1:30:00 PM	50659						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY	3:30:00 PM	50660						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY.fx	9:30:00 AM	50661						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY.fx	11:30:00 AM	50662						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY.fx	1:30:00 PM	50663						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HKDJPY.fx	3:30:00 PM	50664						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HUFJPY	9:30:00 AM	50665						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HUFJPY	11:30:00 AM	50666						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HUFJPY	1:30:00 PM	50667						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	HUFJPY	3:30:00 PM	50668						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JP225.i	9:30:00 AM	50669						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JP225.i	11:30:00 AM	50670						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JP225.i	1:30:00 PM	50671						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	JP225.i	3:30:00 PM	50672						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	MXNJPY	9:30:00 AM	50673						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	MXNJPY	11:30:00 AM	50674						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	MXNJPY	1:30:00 PM	50675						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	MXNJPY	3:30:00 PM	50676						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NASDAQ.i	9:30:00 AM	50677						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NASDAQ.i	11:30:00 AM	50678						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NASDAQ.i	1:30:00 PM	50679						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NASDAQ.i	3:30:00 PM	50680						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY	9:30:00 AM	50681						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY	11:30:00 AM	50682						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY	1:30:00 PM	50683						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY	3:30:00 PM	50684						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY.fx	9:30:00 AM	50685						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY.fx	11:30:00 AM	50686						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY.fx	1:30:00 PM	50687						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NOKJPY.fx	3:30:00 PM	50688						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD	9:30:00 AM	50689						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD	11:30:00 AM	50690						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD	1:30:00 PM	50691						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD	3:30:00 PM	50692						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD.fx	9:30:00 AM	50693						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD.fx	11:30:00 AM	50694						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD.fx	1:30:00 PM	50695						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCAD.fx	3:30:00 PM	50696						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF	9:30:00 AM	50697						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF	11:30:00 AM	50698						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF	1:30:00 PM	50699						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF	3:30:00 PM	50700						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF.fx	9:30:00 AM	50701						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF.fx	11:30:00 AM	50702						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF.fx	1:30:00 PM	50703						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCHF.fx	3:30:00 PM	50704						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCZK	9:30:00 AM	50705						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	NZDCZK	11:30:00 AM	50706						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCZK	1:30:00 PM	50707						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDCZK	3:30:00 PM	50708						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDDKK	9:30:00 AM	50709						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDDKK	11:30:00 AM	50710						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDDKK	1:30:00 PM	50711						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDDKK	3:30:00 PM	50712						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHKD	9:30:00 AM	50713						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHKD	11:30:00 AM	50714						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHKD	1:30:00 PM	50715						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHKD	3:30:00 PM	50716						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHUF	9:30:00 AM	50717						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHUF	11:30:00 AM	50718						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHUF	1:30:00 PM	50719						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDHUF	3:30:00 PM	50720						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY	9:30:00 AM	50721						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY	11:30:00 AM	50722						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY	1:30:00 PM	50723						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY	3:30:00 PM	50724						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY.fx	9:30:00 AM	50725						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY.fx	11:30:00 AM	50726						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY.fx	1:30:00 PM	50727						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDJPY.fx	3:30:00 PM	50728						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDMXN	9:30:00 AM	50729						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDMXN	11:30:00 AM	50730						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDMXN	1:30:00 PM	50731						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDMXN	3:30:00 PM	50732						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDNOK	9:30:00 AM	50733						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDNOK	11:30:00 AM	50734						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDNOK	1:30:00 PM	50735						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDNOK	3:30:00 PM	50736						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDPLN	9:30:00 AM	50737						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDPLN	11:30:00 AM	50738						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDPLN	1:30:00 PM	50739						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	NZDPLN	3:30:00 PM	50740						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSEK	9:30:00 AM	50741						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSEK	11:30:00 AM	50742						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSEK	1:30:00 PM	50743						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSEK	3:30:00 PM	50744						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD	9:30:00 AM	50745						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD	11:30:00 AM	50746						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD	1:30:00 PM	50747						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD	3:30:00 PM	50748						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD.fx	9:30:00 AM	50749						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD.fx	11:30:00 AM	50750						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD.fx	1:30:00 PM	50751						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDSGD.fx	3:30:00 PM	50752						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD	9:30:00 AM	50753						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD	11:30:00 AM	50754						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD	1:30:00 PM	50755						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD	3:30:00 PM	50756						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD.fx	9:30:00 AM	50757						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD.fx	11:30:00 AM	50758						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD.fx	1:30:00 PM	50759						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDUSD.fx	3:30:00 PM	50760						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDZAR	9:30:00 AM	50761						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDZAR	11:30:00 AM	50762						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDZAR	1:30:00 PM	50763						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	NZDZAR	3:30:00 PM	50764						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY	9:30:00 AM	50765						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY	11:30:00 AM	50766						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY	1:30:00 PM	50767						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY	3:30:00 PM	50768						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY.fx	9:30:00 AM	50769						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY.fx	11:30:00 AM	50770						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY.fx	1:30:00 PM	50771						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SEKJPY.fx	3:30:00 PM	50772						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SGDJPY	9:30:00 AM	50773						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	SGDJPY	11:30:00 AM	50774						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SGDJPY	1:30:00 PM	50775						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SGDJPY	3:30:00 PM	50776						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SILVER	9:30:00 AM	50777						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SILVER	11:30:00 AM	50778						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SILVER	1:30:00 PM	50779						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SILVER	3:30:00 PM	50780						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SPX500.i	9:30:00 AM	50781						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SPX500.i	11:30:00 AM	50782						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SPX500.i	1:30:00 PM	50783						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	SPX500.i	3:30:00 PM	50784						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	UK100.i	9:30:00 AM	50785						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	UK100.i	11:30:00 AM	50786						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	UK100.i	1:30:00 PM	50787						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	UK100.i	3:30:00 PM	50788						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD	9:30:00 AM	50789						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD	11:30:00 AM	50790						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD	1:30:00 PM	50791						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD	3:30:00 PM	50792						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD.fx	9:30:00 AM	50793						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD.fx	11:30:00 AM	50794						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD.fx	1:30:00 PM	50795						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCAD.fx	3:30:00 PM	50796						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF	9:30:00 AM	50797						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF	11:30:00 AM	50798						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF	1:30:00 PM	50799						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF	3:30:00 PM	50800						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF.fx	9:30:00 AM	50801						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF.fx	11:30:00 AM	50802						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF.fx	1:30:00 PM	50803						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCHF.fx	3:30:00 PM	50804						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK	9:30:00 AM	50805						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK	11:30:00 AM	50806						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK	1:30:00 PM	50807						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	USDCZK	3:30:00 PM	50808						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK.fx	9:30:00 AM	50809						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK.fx	11:30:00 AM	50810						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK.fx	1:30:00 PM	50811						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDCZK.fx	3:30:00 PM	50812						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK	9:30:00 AM	50813						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK	11:30:00 AM	50814						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK	1:30:00 PM	50815						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK	3:30:00 PM	50816						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK.fx	9:30:00 AM	50817						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK.fx	11:30:00 AM	50818						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK.fx	1:30:00 PM	50819						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDDKK.fx	3:30:00 PM	50820						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD	9:30:00 AM	50821						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD	11:30:00 AM	50822						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD	1:30:00 PM	50823						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD	3:30:00 PM	50824						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD.fx	9:30:00 AM	50825						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD.fx	11:30:00 AM	50826						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD.fx	1:30:00 PM	50827						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHKD.fx	3:30:00 PM	50828						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF	9:30:00 AM	50829						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF	11:30:00 AM	50830						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF	1:30:00 PM	50831						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF	3:30:00 PM	50832						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF.fx	9:30:00 AM	50833						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF.fx	11:30:00 AM	50834						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF.fx	1:30:00 PM	50835						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDHUF.fx	3:30:00 PM	50836						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDINR	9:30:00 AM	50837						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDINR	11:30:00 AM	50838						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDINR	1:30:00 PM	50839						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDINR	3:30:00 PM	50840						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY	9:30:00 AM	50841						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	USDJPY	11:30:00 AM	50842						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY	1:30:00 PM	50843						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY	3:30:00 PM	50844						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY.fx	9:30:00 AM	50845						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY.fx	11:30:00 AM	50846						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY.fx	1:30:00 PM	50847						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDJPY.fx	3:30:00 PM	50848						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDMXN	9:30:00 AM	50849						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDMXN	11:30:00 AM	50850						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDMXN	1:30:00 PM	50851						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDMXN	3:30:00 PM	50852						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JSDMXN.fx	9:30:00 AM	50853						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JSDMXN.fx	11:30:00 AM	50854						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JSDMXN.fx	1:30:00 PM	50855						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	JSDMXN.fx	3:30:00 PM	50856						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK	9:30:00 AM	50857						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK	11:30:00 AM	50858						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK	1:30:00 PM	50859						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK	3:30:00 PM	50860						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK.fx	9:30:00 AM	50861						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK.fx	11:30:00 AM	50862						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK.fx	1:30:00 PM	50863						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDNOK.fx	3:30:00 PM	50864						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN	9:30:00 AM	50865						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN	11:30:00 AM	50866						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN	1:30:00 PM	50867						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN	3:30:00 PM	50868						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN.fx	9:30:00 AM	50869						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN.fx	11:30:00 AM	50870						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN.fx	1:30:00 PM	50871						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDPLN.fx	3:30:00 PM	50872						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDRUB	9:30:00 AM	50873						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDRUB	11:30:00 AM	50874						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDRUB	1:30:00 PM	50875						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	USDRUB	3:30:00 PM	50876						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK	9:30:00 AM	50877						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK	11:30:00 AM	50878						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK	1:30:00 PM	50879						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK	3:30:00 PM	50880						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK.fx	9:30:00 AM	50881						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK.fx	11:30:00 AM	50882						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK.fx	1:30:00 PM	50883						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSEK.fx	3:30:00 PM	50884						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD	9:30:00 AM	50885						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD	11:30:00 AM	50886						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD	1:30:00 PM	50887						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD	3:30:00 PM	50888						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD.fx	9:30:00 AM	50889						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD.fx	11:30:00 AM	50890						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD.fx	1:30:00 PM	50891						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDSGD.fx	3:30:00 PM	50892						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR	9:30:00 AM	50893						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR	11:30:00 AM	50894						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR	1:30:00 PM	50895						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR	3:30:00 PM	50896						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR.fx	9:30:00 AM	50897						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR.fx	11:30:00 AM	50898						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR.fx	1:30:00 PM	50899						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	USDZAR.fx	3:30:00 PM	50900						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	XAUUSD	9:30:00 AM	50901						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	XAUUSD	11:30:00 AM	50902						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	XAUUSD	1:30:00 PM	50903						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	XAUUSD	3:30:00 PM	50904						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY	9:30:00 AM	50905						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY	11:30:00 AM	50906						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY	1:30:00 PM	50907						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY	3:30:00 PM	50908						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY.fx	9:30:00 AM	50909						Continuous Quote	N/A	ELECTRONIC	N/A

11/12/2019	ZARJPY.fx	11:30:00 AM	50910						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY.fx	1:30:00 PM	50911						Continuous Quote	N/A	ELECTRONIC	N/A
11/12/2019	ZARJPY.fx	3:30:00 PM	50912						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#AA	11:30:00 AM	50914						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AA	1:30:00 PM	50915						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#AABA	9:30:00 AM	50917						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AABA	11:30:00 AM	50918						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AABA	1:30:00 PM	50919						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AABA	3:30:00 PM	50920						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AAL	9:30:00 AM	50921						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#ADBE	9:30:00 AM	50929						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#ADBE	1:30:00 PM	50931						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#ADBE	3:30:00 PM	50932						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#AMD	9:30:00 AM	50937						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AMD	11:30:00 AM	50938						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#AMD	3:30:00 PM	50940						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AMZN	9:30:00 AM	50941						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AMZN	11:30:00 AM	50942						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#AMZN	3:30:00 PM	50944						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AXP	9:30:00 AM	50945						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AXP	11:30:00 AM	50946						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AXP	1:30:00 PM	50947						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#AXP	3:30:00 PM	50948						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BA	9:30:00 AM	50949						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BA	11:30:00 AM	50950						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BA	1:30:00 PM	50951						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BA	3:30:00 PM	50952						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BABA	9:30:00 AM	50953						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BABA	11:30:00 AM	50954						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BABA	1:30:00 PM	50955						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BABA	3:30:00 PM	50956						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BAC	9:30:00 AM	50957						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#BAC	1:30:00 PM	50959						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BAC	3:30:00 PM	50960						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BARC	9:30:00 AM	50961						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	#BARC	1:30:00 PM	50963						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BARC	3:30:00 PM	50964						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BHP	9:30:00 AM	50965						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BHP	11:30:00 AM	50966						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BHP	1:30:00 PM	50967						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	#BHP	3:30:00 PM	50968						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDCZK	3:30:00 PM	51376						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDDKK	11:30:00 AM	51378						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDDKK	1:30:00 PM	51379						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDDKK	3:30:00 PM	51380						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHKD	9:30:00 AM	51381						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHKD	11:30:00 AM	51382						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHKD	1:30:00 PM	51383						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHKD	3:30:00 PM	51384						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHUF	9:30:00 AM	51385						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	AUDHUF	11:30:00 AM	51386						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHUF	1:30:00 PM	51387						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDHUF	3:30:00 PM	51388						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY	9:30:00 AM	51389						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY	11:30:00 AM	51390						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY	1:30:00 PM	51391						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY	3:30:00 PM	51392						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY.fx	9:30:00 AM	51393						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY.fx	11:30:00 AM	51394						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY.fx	1:30:00 PM	51395						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDJPY.fx	3:30:00 PM	51396						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDMXN	9:30:00 AM	51397						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDMXN	11:30:00 AM	51398						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDMXN	1:30:00 PM	51399						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDMXN	3:30:00 PM	51400						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK	9:30:00 AM	51401						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK	11:30:00 AM	51402						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK	1:30:00 PM	51403						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK	3:30:00 PM	51404						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK.fx	9:30:00 AM	51405						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK.fx	11:30:00 AM	51406						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK.fx	1:30:00 PM	51407						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNOK.fx	3:30:00 PM	51408						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD	9:30:00 AM	51409						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD	11:30:00 AM	51410						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD	1:30:00 PM	51411						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD	3:30:00 PM	51412						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD.fx	9:30:00 AM	51413						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD.fx	11:30:00 AM	51414						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD.fx	1:30:00 PM	51415						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDNZD.fx	3:30:00 PM	51416						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDPLN	9:30:00 AM	51417						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDPLN	11:30:00 AM	51418						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDPLN	1:30:00 PM	51419						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	AUDPLN	3:30:00 PM	51420						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK	9:30:00 AM	51421						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK	11:30:00 AM	51422						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK	1:30:00 PM	51423						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK	3:30:00 PM	51424						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDSEK.fx	11:30:00 AM	51426						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK.fx	1:30:00 PM	51427						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSEK.fx	3:30:00 PM	51428						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDSGD	11:30:00 AM	51430						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD	1:30:00 PM	51431						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD	3:30:00 PM	51432						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD.fx	9:30:00 AM	51433						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD.fx	11:30:00 AM	51434						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD.fx	1:30:00 PM	51435						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDSGD.fx	3:30:00 PM	51436						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDUSD	9:30:00 AM	51437						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDUSD	11:30:00 AM	51438						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDUSD.fx	3:30:00 PM	51444						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDZAR	9:30:00 AM	51445						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUDZAR	11:30:00 AM	51446						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUDZAR	3:30:00 PM	51448						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUS200.i	9:30:00 AM	51449						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	AUS200.i	1:30:00 PM	51451						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	AUS200.i	3:30:00 PM	51452						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	BCHUSD	11:30:00 AM	51454						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	BCHUSD	1:30:00 PM	51455						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	BCHUSD	3:30:00 PM	51456						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADCHF	9:30:00 AM	51457						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADCHF	11:30:00 AM	51458						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADCZK	11:30:00 AM	51466						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADDKK	9:30:00 AM	51469						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADDKK	11:30:00 AM	51470						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADDKK	1:30:00 PM	51471						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADHKD	9:30:00 AM	51473						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADHKD	11:30:00 AM	51474						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADHKD	3:30:00 PM	51476						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADHUF	9:30:00 AM	51477						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADHUF	11:30:00 AM	51478						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADHUF	1:30:00 PM	51479						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADJPY	11:30:00 AM	51482						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADJPY	1:30:00 PM	51483						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADJPY	3:30:00 PM	51484						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADJPY.fx	9:30:00 AM	51485						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADJPY.fx	11:30:00 AM	51486						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADJPY.fx	1:30:00 PM	51487						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	CADJPY.fx	3:30:00 PM	51488						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADMXN	9:30:00 AM	51489						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADMXN	11:30:00 AM	51490						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADMXN	1:30:00 PM	51491						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADMXN	3:30:00 PM	51492						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADNOK	9:30:00 AM	51493						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADNOK	11:30:00 AM	51494						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADNOK	1:30:00 PM	51495						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADNOK	3:30:00 PM	51496						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADPLN	9:30:00 AM	51497						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADPLN	11:30:00 AM	51498						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADPLN	1:30:00 PM	51499						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADPLN	3:30:00 PM	51500						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADSEK	9:30:00 AM	51501						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADSEK	1:30:00 PM	51503						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADSEK	3:30:00 PM	51504						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADSGD	9:30:00 AM	51505						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CADSGD	11:30:00 AM	51506						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CADZAR	9:30:00 AM	51509						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFCZK	11:30:00 AM	51514						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFCZK	1:30:00 PM	51515						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFCZK	3:30:00 PM	51516						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFDKK	9:30:00 AM	51517						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFDKK	11:30:00 AM	51518						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFDKK	1:30:00 PM	51519						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFDKK.fx	11:30:00 AM	51522						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFDKK.fx	1:30:00 PM	51523						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFDKK.fx	3:30:00 PM	51524						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFHKD	9:30:00 AM	51525						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFHKD	11:30:00 AM	51526						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFJPY	9:30:00 AM	51533						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFJPY	11:30:00 AM	51534						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFJPY	3:30:00 PM	51536						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFJPY.fx	9:30:00 AM	51537						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFJPY.fx	11:30:00 AM	51538						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFJPY.fx	1:30:00 PM	51539						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFJPY.fx	3:30:00 PM	51540						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFMXN	9:30:00 AM	51541						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFMXN	11:30:00 AM	51542						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFMXN	1:30:00 PM	51543						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFNOK	1:30:00 PM	51547						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFNOK	3:30:00 PM	51548						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFNOK.fx	1:30:00 PM	51551						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFNOK.fx	3:30:00 PM	51552						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFPLN	11:30:00 AM	51554						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFPLN	1:30:00 PM	51555						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	CHFPLN	3:30:00 PM	51556						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFPLN.fx	9:30:00 AM	51557						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFPLN.fx	11:30:00 AM	51558						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFSEK	3:30:00 PM	51564						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFSGD	9:30:00 AM	51565						Continuous Quote	N/A	ELECTRONIC	N/A
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11/13/2019	CHFSGD.fx	11:30:00 AM	51570						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFSGD.fx	1:30:00 PM	51571						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFSGD.fx	3:30:00 PM	51572						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFZAR	9:30:00 AM	51573						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFZAR	11:30:00 AM	51574						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFZAR	1:30:00 PM	51575						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CHFZAR	3:30:00 PM	51576						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CZKJPY	9:30:00 AM	51577						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CZKJPY	11:30:00 AM	51578						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CZKJPY	1:30:00 PM	51579						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	CZKJPY	3:30:00 PM	51580						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DAX30.i	9:30:00 AM	51581						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DAX30.i	11:30:00 AM	51582						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DAX30.i	1:30:00 PM	51583						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DAX30.i	3:30:00 PM	51584						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DJ30.i	9:30:00 AM	51585						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DJ30.i	11:30:00 AM	51586						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DJ30.i	1:30:00 PM	51587						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DJ30.i	3:30:00 PM	51588						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DKKJPY	9:30:00 AM	51589						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	DKKJPY	11:30:00 AM	51590						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DKKJPY	1:30:00 PM	51591						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	DKKJPY	3:30:00 PM	51592						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD	9:30:00 AM	51593						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD	11:30:00 AM	51594						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD	1:30:00 PM	51595						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD	3:30:00 PM	51596						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD.fx	9:30:00 AM	51597						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD.fx	11:30:00 AM	51598						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD.fx	1:30:00 PM	51599						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURAUD.fx	3:30:00 PM	51600						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD	9:30:00 AM	51601						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD	11:30:00 AM	51602						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD	1:30:00 PM	51603						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD	3:30:00 PM	51604						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD.fx	9:30:00 AM	51605						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD.fx	11:30:00 AM	51606						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD.fx	1:30:00 PM	51607						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCAD.fx	3:30:00 PM	51608						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF	9:30:00 AM	51609						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF	11:30:00 AM	51610						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF	1:30:00 PM	51611						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF	3:30:00 PM	51612						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF.fx	9:30:00 AM	51613						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF.fx	11:30:00 AM	51614						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF.fx	1:30:00 PM	51615						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCHF.fx	3:30:00 PM	51616						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCZK	9:30:00 AM	51617						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCZK	11:30:00 AM	51618						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCZK	1:30:00 PM	51619						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURCZK	3:30:00 PM	51620						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURDKK	9:30:00 AM	51621						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURDKK	11:30:00 AM	51622						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURDKK	1:30:00 PM	51623						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	EURDKK	3:30:00 PM	51624						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP	9:30:00 AM	51625						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP	11:30:00 AM	51626						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP	1:30:00 PM	51627						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP	3:30:00 PM	51628						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP.fx	9:30:00 AM	51629						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP.fx	11:30:00 AM	51630						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP.fx	1:30:00 PM	51631						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURGBP.fx	3:30:00 PM	51632						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD	9:30:00 AM	51633						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD	11:30:00 AM	51634						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD	1:30:00 PM	51635						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD	3:30:00 PM	51636						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD.fx	9:30:00 AM	51637						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD.fx	11:30:00 AM	51638						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD.fx	1:30:00 PM	51639						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHKD.fx	3:30:00 PM	51640						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF	9:30:00 AM	51641						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF	11:30:00 AM	51642						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF	1:30:00 PM	51643						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF	3:30:00 PM	51644						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF.fx	9:30:00 AM	51645						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF.fx	11:30:00 AM	51646						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF.fx	1:30:00 PM	51647						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURHUF.fx	3:30:00 PM	51648						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY	9:30:00 AM	51649						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY	11:30:00 AM	51650						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY	1:30:00 PM	51651						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY	3:30:00 PM	51652						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY.fx	9:30:00 AM	51653						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY.fx	11:30:00 AM	51654						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY.fx	1:30:00 PM	51655						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURJPY.fx	3:30:00 PM	51656						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN	9:30:00 AM	51657						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	EURMXN	11:30:00 AM	51658						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN	1:30:00 PM	51659						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN	3:30:00 PM	51660						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN.fx	9:30:00 AM	51661						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN.fx	11:30:00 AM	51662						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN.fx	1:30:00 PM	51663						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURMXN.fx	3:30:00 PM	51664						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK	9:30:00 AM	51665						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK	11:30:00 AM	51666						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK	1:30:00 PM	51667						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK	3:30:00 PM	51668						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK.fx	9:30:00 AM	51669						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK.fx	11:30:00 AM	51670						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK.fx	1:30:00 PM	51671						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNOK.fx	3:30:00 PM	51672						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD	9:30:00 AM	51673						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD	11:30:00 AM	51674						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD	1:30:00 PM	51675						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD	3:30:00 PM	51676						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD.fx	9:30:00 AM	51677						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD.fx	11:30:00 AM	51678						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD.fx	1:30:00 PM	51679						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURNZD.fx	3:30:00 PM	51680						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN	9:30:00 AM	51681						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN	11:30:00 AM	51682						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN	1:30:00 PM	51683						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN	3:30:00 PM	51684						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN.fx	9:30:00 AM	51685						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN.fx	11:30:00 AM	51686						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN.fx	1:30:00 PM	51687						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURPLN.fx	3:30:00 PM	51688						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURRUB	9:30:00 AM	51689						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURRUB	11:30:00 AM	51690						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURRUB	1:30:00 PM	51691						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	EURRUB	3:30:00 PM	51692						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK	9:30:00 AM	51693						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK	11:30:00 AM	51694						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK	1:30:00 PM	51695						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK	3:30:00 PM	51696						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK.fx	9:30:00 AM	51697						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK.fx	11:30:00 AM	51698						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK.fx	1:30:00 PM	51699						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSEK.fx	3:30:00 PM	51700						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD	9:30:00 AM	51701						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD	11:30:00 AM	51702						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD	1:30:00 PM	51703						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD	3:30:00 PM	51704						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD.fx	9:30:00 AM	51705						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD.fx	11:30:00 AM	51706						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD.fx	1:30:00 PM	51707						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURSGD.fx	3:30:00 PM	51708						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD	9:30:00 AM	51709						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD	11:30:00 AM	51710						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD	1:30:00 PM	51711						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD	3:30:00 PM	51712						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD.fx	9:30:00 AM	51713						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD.fx	11:30:00 AM	51714						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD.fx	1:30:00 PM	51715						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURUSD.fx	3:30:00 PM	51716						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR	9:30:00 AM	51717						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR	11:30:00 AM	51718						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR	1:30:00 PM	51719						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR	3:30:00 PM	51720						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR.fx	9:30:00 AM	51721						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR.fx	11:30:00 AM	51722						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR.fx	1:30:00 PM	51723						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	EURZAR.fx	3:30:00 PM	51724						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD	9:30:00 AM	51725						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	GBPAUD	11:30:00 AM	51726						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD	1:30:00 PM	51727						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD	3:30:00 PM	51728						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD.fx	9:30:00 AM	51729						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD.fx	11:30:00 AM	51730						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD.fx	1:30:00 PM	51731						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPAUD.fx	3:30:00 PM	51732						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD	9:30:00 AM	51733						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD	11:30:00 AM	51734						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD	1:30:00 PM	51735						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD	3:30:00 PM	51736						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD.fx	9:30:00 AM	51737						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD.fx	11:30:00 AM	51738						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD.fx	1:30:00 PM	51739						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCAD.fx	3:30:00 PM	51740						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF	9:30:00 AM	51741						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF	11:30:00 AM	51742						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF	1:30:00 PM	51743						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF	3:30:00 PM	51744						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF.fx	9:30:00 AM	51745						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF.fx	11:30:00 AM	51746						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF.fx	1:30:00 PM	51747						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCHF.fx	3:30:00 PM	51748						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCZK	9:30:00 AM	51749						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCZK	11:30:00 AM	51750						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCZK	1:30:00 PM	51751						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPCZK	3:30:00 PM	51752						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK	9:30:00 AM	51753						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK	11:30:00 AM	51754						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK	1:30:00 PM	51755						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK	3:30:00 PM	51756						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK.fx	9:30:00 AM	51757						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK.fx	11:30:00 AM	51758						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPDKK.fx	1:30:00 PM	51759						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	GBPDKK.fx	3:30:00 PM	51760						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHKD	9:30:00 AM	51761						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHKD	11:30:00 AM	51762						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHKD	1:30:00 PM	51763						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHKD	3:30:00 PM	51764						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHUF	9:30:00 AM	51765						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHUF	11:30:00 AM	51766						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHUF	1:30:00 PM	51767						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPHUF	3:30:00 PM	51768						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY	9:30:00 AM	51769						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY	11:30:00 AM	51770						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY	1:30:00 PM	51771						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY	3:30:00 PM	51772						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY.fx	9:30:00 AM	51773						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY.fx	11:30:00 AM	51774						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY.fx	1:30:00 PM	51775						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPJPY.fx	3:30:00 PM	51776						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPMXN	9:30:00 AM	51777						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPMXN	11:30:00 AM	51778						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPMXN	1:30:00 PM	51779						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPMXN	3:30:00 PM	51780						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK	9:30:00 AM	51781						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK	11:30:00 AM	51782						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK	1:30:00 PM	51783						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK	3:30:00 PM	51784						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK.fx	9:30:00 AM	51785						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK.fx	11:30:00 AM	51786						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK.fx	1:30:00 PM	51787						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNOK.fx	3:30:00 PM	51788						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD	9:30:00 AM	51789						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD	11:30:00 AM	51790						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD	1:30:00 PM	51791						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD	3:30:00 PM	51792						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD.fx	9:30:00 AM	51793						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	GBPNZD.fx	11:30:00 AM	51794						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD.fx	1:30:00 PM	51795						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPNZD.fx	3:30:00 PM	51796						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN	9:30:00 AM	51797						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN	11:30:00 AM	51798						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN	1:30:00 PM	51799						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN	3:30:00 PM	51800						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN.fx	9:30:00 AM	51801						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN.fx	11:30:00 AM	51802						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN.fx	1:30:00 PM	51803						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPPLN.fx	3:30:00 PM	51804						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK	9:30:00 AM	51805						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK	11:30:00 AM	51806						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK	1:30:00 PM	51807						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK	3:30:00 PM	51808						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK.fx	9:30:00 AM	51809						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK.fx	11:30:00 AM	51810						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK.fx	1:30:00 PM	51811						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSEK.fx	3:30:00 PM	51812						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD	9:30:00 AM	51813						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD	11:30:00 AM	51814						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD	1:30:00 PM	51815						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD	3:30:00 PM	51816						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD.fx	9:30:00 AM	51817						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD.fx	11:30:00 AM	51818						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD.fx	1:30:00 PM	51819						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPSGD.fx	3:30:00 PM	51820						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD	9:30:00 AM	51821						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD	11:30:00 AM	51822						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD	1:30:00 PM	51823						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD	3:30:00 PM	51824						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD.fx	9:30:00 AM	51825						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD.fx	11:30:00 AM	51826						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPUSD.fx	1:30:00 PM	51827						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	GBPUSD.fx	3:30:00 PM	51828						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR	9:30:00 AM	51829						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR	11:30:00 AM	51830						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR	1:30:00 PM	51831						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR	3:30:00 PM	51832						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR.fx	9:30:00 AM	51833						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR.fx	11:30:00 AM	51834						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR.fx	1:30:00 PM	51835						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GBPZAR.fx	3:30:00 PM	51836						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GOLD	9:30:00 AM	51837						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GOLD	11:30:00 AM	51838						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GOLD	1:30:00 PM	51839						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	GOLD	3:30:00 PM	51840						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY	9:30:00 AM	51841						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY	11:30:00 AM	51842						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY	1:30:00 PM	51843						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY	3:30:00 PM	51844						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY.fx	9:30:00 AM	51845						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY.fx	11:30:00 AM	51846						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY.fx	1:30:00 PM	51847						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HKDJPY.fx	3:30:00 PM	51848						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HUFJPY	9:30:00 AM	51849						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HUFJPY	11:30:00 AM	51850						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HUFJPY	1:30:00 PM	51851						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	HUFJPY	3:30:00 PM	51852						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JP225.i	9:30:00 AM	51853						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JP225.i	11:30:00 AM	51854						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JP225.i	1:30:00 PM	51855						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JP225.i	3:30:00 PM	51856						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	MXNJPY	9:30:00 AM	51857						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	MXNJPY	11:30:00 AM	51858						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	MXNJPY	1:30:00 PM	51859						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	MXNJPY	3:30:00 PM	51860						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NASDAQ.i	9:30:00 AM	51861						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	NASDAQ.i	11:30:00 AM	51862						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NASDAQ.i	1:30:00 PM	51863						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NASDAQ.i	3:30:00 PM	51864						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY	9:30:00 AM	51865						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY	11:30:00 AM	51866						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY	1:30:00 PM	51867						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY	3:30:00 PM	51868						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY.fx	9:30:00 AM	51869						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY.fx	11:30:00 AM	51870						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY.fx	1:30:00 PM	51871						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NOKJPY.fx	3:30:00 PM	51872						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD	9:30:00 AM	51873						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD	11:30:00 AM	51874						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD	1:30:00 PM	51875						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD	3:30:00 PM	51876						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD.fx	9:30:00 AM	51877						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD.fx	11:30:00 AM	51878						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD.fx	1:30:00 PM	51879						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCAD.fx	3:30:00 PM	51880						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF	9:30:00 AM	51881						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF	11:30:00 AM	51882						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF	1:30:00 PM	51883						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF	3:30:00 PM	51884						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF.fx	9:30:00 AM	51885						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF.fx	11:30:00 AM	51886						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF.fx	1:30:00 PM	51887						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCHF.fx	3:30:00 PM	51888						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCZK	9:30:00 AM	51889						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCZK	11:30:00 AM	51890						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCZK	1:30:00 PM	51891						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDCZK	3:30:00 PM	51892						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDDKK	9:30:00 AM	51893						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDDKK	11:30:00 AM	51894						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDDKK	1:30:00 PM	51895						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	NZDDKK	3:30:00 PM	51896						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHKD	9:30:00 AM	51897						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHKD	11:30:00 AM	51898						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHKD	1:30:00 PM	51899						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHKD	3:30:00 PM	51900						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHUF	9:30:00 AM	51901						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHUF	11:30:00 AM	51902						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHUF	1:30:00 PM	51903						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDHUF	3:30:00 PM	51904						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY	9:30:00 AM	51905						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY	11:30:00 AM	51906						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY	1:30:00 PM	51907						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY	3:30:00 PM	51908						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY.fx	9:30:00 AM	51909						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY.fx	11:30:00 AM	51910						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY.fx	1:30:00 PM	51911						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDJPY.fx	3:30:00 PM	51912						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDMXN	9:30:00 AM	51913						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDMXN	11:30:00 AM	51914						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDMXN	1:30:00 PM	51915						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDMXN	3:30:00 PM	51916						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDNOK	9:30:00 AM	51917						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDNOK	11:30:00 AM	51918						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDNOK	1:30:00 PM	51919						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDNOK	3:30:00 PM	51920						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDPLN	9:30:00 AM	51921						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDPLN	11:30:00 AM	51922						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDPLN	1:30:00 PM	51923						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDPLN	3:30:00 PM	51924						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSEK	9:30:00 AM	51925						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSEK	11:30:00 AM	51926						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSEK	1:30:00 PM	51927						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSEK	3:30:00 PM	51928						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD	9:30:00 AM	51929						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	NZDSGD	11:30:00 AM	51930						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD	1:30:00 PM	51931						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD	3:30:00 PM	51932						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD.fx	9:30:00 AM	51933						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD.fx	11:30:00 AM	51934						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD.fx	1:30:00 PM	51935						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDSGD.fx	3:30:00 PM	51936						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD	9:30:00 AM	51937						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD	11:30:00 AM	51938						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD	1:30:00 PM	51939						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD	3:30:00 PM	51940						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD.fx	9:30:00 AM	51941						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD.fx	11:30:00 AM	51942						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD.fx	1:30:00 PM	51943						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDUSD.fx	3:30:00 PM	51944						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDZAR	9:30:00 AM	51945						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDZAR	11:30:00 AM	51946						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDZAR	1:30:00 PM	51947						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	NZDZAR	3:30:00 PM	51948						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY	9:30:00 AM	51949						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY	11:30:00 AM	51950						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY	1:30:00 PM	51951						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY	3:30:00 PM	51952						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY.fx	9:30:00 AM	51953						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY.fx	11:30:00 AM	51954						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY.fx	1:30:00 PM	51955						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SEKJPY.fx	3:30:00 PM	51956						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SGDJPY	9:30:00 AM	51957						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SGDJPY	11:30:00 AM	51958						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SGDJPY	1:30:00 PM	51959						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SGDJPY	3:30:00 PM	51960						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SILVER	9:30:00 AM	51961						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SILVER	11:30:00 AM	51962						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SILVER	1:30:00 PM	51963						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	SILVER	3:30:00 PM	51964						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SPX500.i	9:30:00 AM	51965						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SPX500.i	11:30:00 AM	51966						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SPX500.i	1:30:00 PM	51967						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	SPX500.i	3:30:00 PM	51968						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	UK100.i	9:30:00 AM	51969						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	UK100.i	11:30:00 AM	51970						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	UK100.i	1:30:00 PM	51971						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	UK100.i	3:30:00 PM	51972						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD	9:30:00 AM	51973						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD	11:30:00 AM	51974						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD	1:30:00 PM	51975						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD	3:30:00 PM	51976						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD.fx	9:30:00 AM	51977						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD.fx	11:30:00 AM	51978						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD.fx	1:30:00 PM	51979						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCAD.fx	3:30:00 PM	51980						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF	9:30:00 AM	51981						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF	11:30:00 AM	51982						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF	1:30:00 PM	51983						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF	3:30:00 PM	51984						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF.fx	9:30:00 AM	51985						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF.fx	11:30:00 AM	51986						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF.fx	1:30:00 PM	51987						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCHF.fx	3:30:00 PM	51988						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK	9:30:00 AM	51989						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK	11:30:00 AM	51990						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK	1:30:00 PM	51991						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK	3:30:00 PM	51992						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK.fx	9:30:00 AM	51993						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK.fx	11:30:00 AM	51994						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK.fx	1:30:00 PM	51995						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDCZK.fx	3:30:00 PM	51996						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK	9:30:00 AM	51997						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	USDDKK	11:30:00 AM	51998						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK	1:30:00 PM	51999						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK	3:30:00 PM	52000						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK.fx	9:30:00 AM	52001						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK.fx	11:30:00 AM	52002						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK.fx	1:30:00 PM	52003						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDDKK.fx	3:30:00 PM	52004						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD	9:30:00 AM	52005						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD	11:30:00 AM	52006						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD	1:30:00 PM	52007						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD	3:30:00 PM	52008						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD.fx	9:30:00 AM	52009						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD.fx	11:30:00 AM	52010						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD.fx	1:30:00 PM	52011						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHKD.fx	3:30:00 PM	52012						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF	9:30:00 AM	52013						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF	11:30:00 AM	52014						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF	1:30:00 PM	52015						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF	3:30:00 PM	52016						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF.fx	9:30:00 AM	52017						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF.fx	11:30:00 AM	52018						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF.fx	1:30:00 PM	52019						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDHUF.fx	3:30:00 PM	52020						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDINR	9:30:00 AM	52021						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDINR	11:30:00 AM	52022						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDINR	1:30:00 PM	52023						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDINR	3:30:00 PM	52024						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY	9:30:00 AM	52025						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY	11:30:00 AM	52026						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY	1:30:00 PM	52027						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY	3:30:00 PM	52028						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY.fx	9:30:00 AM	52029						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY.fx	11:30:00 AM	52030						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDJPY.fx	1:30:00 PM	52031						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	USDJPY.fx	3:30:00 PM	52032						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDMXN	9:30:00 AM	52033						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDMXN	11:30:00 AM	52034						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDMXN	1:30:00 PM	52035						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDMXN	3:30:00 PM	52036						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JSDMXN.fx	9:30:00 AM	52037						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JSDMXN.fx	11:30:00 AM	52038						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JSDMXN.fx	1:30:00 PM	52039						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	JSDMXN.fx	3:30:00 PM	52040						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK	9:30:00 AM	52041						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK	11:30:00 AM	52042						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK	1:30:00 PM	52043						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK	3:30:00 PM	52044						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK.fx	9:30:00 AM	52045						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK.fx	11:30:00 AM	52046						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK.fx	1:30:00 PM	52047						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDNOK.fx	3:30:00 PM	52048						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN	9:30:00 AM	52049						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN	11:30:00 AM	52050						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN	1:30:00 PM	52051						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN	3:30:00 PM	52052						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN.fx	9:30:00 AM	52053						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN.fx	11:30:00 AM	52054						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN.fx	1:30:00 PM	52055						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDPLN.fx	3:30:00 PM	52056						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDRUB	9:30:00 AM	52057						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDRUB	11:30:00 AM	52058						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDRUB	1:30:00 PM	52059						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDRUB	3:30:00 PM	52060						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK	9:30:00 AM	52061						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK	11:30:00 AM	52062						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK	1:30:00 PM	52063						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK	3:30:00 PM	52064						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK.fx	9:30:00 AM	52065						Continuous Quote	N/A	ELECTRONIC	N/A

11/13/2019	USDSEK.fx	11:30:00 AM	52066						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK.fx	1:30:00 PM	52067						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSEK.fx	3:30:00 PM	52068						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD	9:30:00 AM	52069						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD	11:30:00 AM	52070						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD	1:30:00 PM	52071						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD	3:30:00 PM	52072						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD.fx	9:30:00 AM	52073						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD.fx	11:30:00 AM	52074						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD.fx	1:30:00 PM	52075						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDSGD.fx	3:30:00 PM	52076						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR	9:30:00 AM	52077						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR	11:30:00 AM	52078						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR	1:30:00 PM	52079						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR	3:30:00 PM	52080						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR.fx	9:30:00 AM	52081						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR.fx	11:30:00 AM	52082						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR.fx	1:30:00 PM	52083						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	USDZAR.fx	3:30:00 PM	52084						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	XAUUSD	9:30:00 AM	52085						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	XAUUSD	11:30:00 AM	52086						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	XAUUSD	1:30:00 PM	52087						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	XAUUSD	3:30:00 PM	52088						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY	9:30:00 AM	52089						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY	11:30:00 AM	52090						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY	1:30:00 PM	52091						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY	3:30:00 PM	52092						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY.fx	9:30:00 AM	52093						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY.fx	11:30:00 AM	52094						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY.fx	1:30:00 PM	52095						Continuous Quote	N/A	ELECTRONIC	N/A
11/13/2019	ZARJPY.fx	3:30:00 PM	52096						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AA	9:30:00 AM	52097						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AA	11:30:00 AM	52098						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AA	1:30:00 PM	52099						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	#AA	3:30:00 PM	52100						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AABA	9:30:00 AM	52101						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AABA	11:30:00 AM	52102						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AABA	1:30:00 PM	52103						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AABA	3:30:00 PM	52104						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AAL	9:30:00 AM	52105						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AAL	11:30:00 AM	52106						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AAL	1:30:00 PM	52107						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AAL	3:30:00 PM	52108						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AAPL	9:30:00 AM	52109						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	#AAPL	3:30:00 PM	52112						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#ADBE	9:30:00 AM	52113						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	#ADBE	3:30:00 PM	52116						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AIG	9:30:00 AM	52117						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AIG	11:30:00 AM	52118						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AIG	1:30:00 PM	52119						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AIG	3:30:00 PM	52120						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMD	9:30:00 AM	52121						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMD	11:30:00 AM	52122						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMD	1:30:00 PM	52123						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMD	3:30:00 PM	52124						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMZN	9:30:00 AM	52125						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMZN	11:30:00 AM	52126						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMZN	1:30:00 PM	52127						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AMZN	3:30:00 PM	52128						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AXP	9:30:00 AM	52129						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AXP	11:30:00 AM	52130						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AXP	1:30:00 PM	52131						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#AXP	3:30:00 PM	52132						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BA	9:30:00 AM	52133						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	#BA	11:30:00 AM	52134						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BA	1:30:00 PM	52135						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BA	3:30:00 PM	52136						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BABA	9:30:00 AM	52137						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BABA	11:30:00 AM	52138						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BABA	1:30:00 PM	52139						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BABA	3:30:00 PM	52140						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BAC	9:30:00 AM	52141						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BAC	11:30:00 AM	52142						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BAC	1:30:00 PM	52143						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BAC	3:30:00 PM	52144						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BARC	9:30:00 AM	52145						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BARC	11:30:00 AM	52146						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BARC	1:30:00 PM	52147						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BARC	3:30:00 PM	52148						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BHP	9:30:00 AM	52149						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BHP	11:30:00 AM	52150						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BHP	1:30:00 PM	52151						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BHP	3:30:00 PM	52152						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BIDU	9:30:00 AM	52153						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BIDU	11:30:00 AM	52154						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BIDU	1:30:00 PM	52155						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#BIDU	3:30:00 PM	52156						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#Bitcoin	9:30:00 AM	52157						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#Bitcoin	11:30:00 AM	52158						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	#Bitcoin	1:30:00 PM	52159						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	#C	3:30:00 PM	52180						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	#DWDP	3:30:00 PM	52216						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	#FSLR	3:30:00 PM	52244						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDDKK	3:30:00 PM	52564						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDHKD	11:30:00 AM	52566						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHKD	1:30:00 PM	52567						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHKD	3:30:00 PM	52568						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHUF	9:30:00 AM	52569						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHUF	11:30:00 AM	52570						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHUF	1:30:00 PM	52571						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDHUF	3:30:00 PM	52572						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY	9:30:00 AM	52573						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY	11:30:00 AM	52574						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY	1:30:00 PM	52575						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	AUDJPY	3:30:00 PM	52576						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY.fx	9:30:00 AM	52577						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY.fx	11:30:00 AM	52578						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY.fx	1:30:00 PM	52579						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDJPY.fx	3:30:00 PM	52580						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDMXN	9:30:00 AM	52581						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDMXN	11:30:00 AM	52582						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDMXN	1:30:00 PM	52583						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDMXN	3:30:00 PM	52584						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK	9:30:00 AM	52585						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK	11:30:00 AM	52586						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK	1:30:00 PM	52587						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK	3:30:00 PM	52588						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDNOK.fx	11:30:00 AM	52590						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK.fx	1:30:00 PM	52591						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNOK.fx	3:30:00 PM	52592						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNZD	9:30:00 AM	52593						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDNZD	1:30:00 PM	52595						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNZD	3:30:00 PM	52596						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNZD.fx	9:30:00 AM	52597						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNZD.fx	11:30:00 AM	52598						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDNZD.fx	1:30:00 PM	52599						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDPLN	11:30:00 AM	52602						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDPLN	1:30:00 PM	52603						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDPLN	3:30:00 PM	52604						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDSEK	11:30:00 AM	52606						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSEK	1:30:00 PM	52607						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSEK	3:30:00 PM	52608						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSEK.fx	9:30:00 AM	52609						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	AUDSEK.fx	11:30:00 AM	52610						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSEK.fx	1:30:00 PM	52611						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSEK.fx	3:30:00 PM	52612						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD	9:30:00 AM	52613						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD	11:30:00 AM	52614						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD	1:30:00 PM	52615						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD	3:30:00 PM	52616						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD.fx	9:30:00 AM	52617						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	AUDSGD.fx	11:30:00 AM	52618						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDUSD	1:30:00 PM	52623						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUDZAR	3:30:00 PM	52632						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	AUS200.i	11:30:00 AM	52634						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADCHF	11:30:00 AM	52642						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADCHF	1:30:00 PM	52643						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	CADCHF	3:30:00 PM	52644						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADCHF.fx	9:30:00 AM	52645						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADCHF.fx	11:30:00 AM	52646						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADCHF.fx	1:30:00 PM	52647						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADHKD	3:30:00 PM	52660						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADJPY	11:30:00 AM	52666						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADMXN	9:30:00 AM	52673						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADMXN	11:30:00 AM	52674						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADMXN	1:30:00 PM	52675						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADMXN	3:30:00 PM	52676						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADNOK	9:30:00 AM	52677						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	CADNOK	11:30:00 AM	52678						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADNOK	1:30:00 PM	52679						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADNOK	3:30:00 PM	52680						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADPLN	9:30:00 AM	52681						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADPLN	11:30:00 AM	52682						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADPLN	1:30:00 PM	52683						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADPLN	3:30:00 PM	52684						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADSEK	9:30:00 AM	52685						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADSEK	11:30:00 AM	52686						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADZAR	9:30:00 AM	52693						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CADZAR	11:30:00 AM	52694						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CADZAR	3:30:00 PM	52696						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFCZK	11:30:00 AM	52698						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFCZK	3:30:00 PM	52700						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFDKK	11:30:00 AM	52702						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFDKK	1:30:00 PM	52703						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFDKK	3:30:00 PM	52704						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFDKK.fx	11:30:00 AM	52706						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFDKK.fx	1:30:00 PM	52707						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFDKK.fx	3:30:00 PM	52708						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFHKD	11:30:00 AM	52710						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFHKD	1:30:00 PM	52711						Continuous Quote	N/A	ELECTRONIC	N/A

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11/14/2019	CHFHUF	11:30:00 AM	52714						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFJPY.fx	11:30:00 AM	52722						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFJPY.fx	1:30:00 PM	52723						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFPLN.fx	9:30:00 AM	52741						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFPLN.fx	11:30:00 AM	52742						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFPLN.fx	1:30:00 PM	52743						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFPLN.fx	3:30:00 PM	52744						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CHFSEK	9:30:00 AM	52745						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	CHFSEK	11:30:00 AM	52746						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CHFZAR	11:30:00 AM	52758						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	CZKJPY	9:30:00 AM	52761						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CZKJPY	11:30:00 AM	52762						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CZKJPY	1:30:00 PM	52763						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	CZKJPY	3:30:00 PM	52764						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DAX30.i	9:30:00 AM	52765						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DAX30.i	11:30:00 AM	52766						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DAX30.i	1:30:00 PM	52767						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DAX30.i	3:30:00 PM	52768						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DJ30.i	9:30:00 AM	52769						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DJ30.i	11:30:00 AM	52770						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DJ30.i	1:30:00 PM	52771						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DJ30.i	3:30:00 PM	52772						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DKKJPY	9:30:00 AM	52773						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DKKJPY	11:30:00 AM	52774						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DKKJPY	1:30:00 PM	52775						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	DKKJPY	3:30:00 PM	52776						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD	9:30:00 AM	52777						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD	11:30:00 AM	52778						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD	1:30:00 PM	52779						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	EURAUD	3:30:00 PM	52780						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD.fx	9:30:00 AM	52781						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD.fx	11:30:00 AM	52782						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD.fx	1:30:00 PM	52783						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURAUD.fx	3:30:00 PM	52784						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD	9:30:00 AM	52785						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD	11:30:00 AM	52786						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD	1:30:00 PM	52787						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD	3:30:00 PM	52788						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD.fx	9:30:00 AM	52789						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD.fx	11:30:00 AM	52790						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD.fx	1:30:00 PM	52791						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCAD.fx	3:30:00 PM	52792						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF	9:30:00 AM	52793						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF	11:30:00 AM	52794						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF	1:30:00 PM	52795						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF	3:30:00 PM	52796						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF.fx	9:30:00 AM	52797						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF.fx	11:30:00 AM	52798						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF.fx	1:30:00 PM	52799						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCHF.fx	3:30:00 PM	52800						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCZK	9:30:00 AM	52801						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCZK	11:30:00 AM	52802						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCZK	1:30:00 PM	52803						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURCZK	3:30:00 PM	52804						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURDKK	9:30:00 AM	52805						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURDKK	11:30:00 AM	52806						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURDKK	1:30:00 PM	52807						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURDKK	3:30:00 PM	52808						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP	9:30:00 AM	52809						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP	11:30:00 AM	52810						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP	1:30:00 PM	52811						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP	3:30:00 PM	52812						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP.fx	9:30:00 AM	52813						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	EURGBP.fx	11:30:00 AM	52814						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP.fx	1:30:00 PM	52815						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURGBP.fx	3:30:00 PM	52816						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD	9:30:00 AM	52817						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD	11:30:00 AM	52818						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD	1:30:00 PM	52819						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD	3:30:00 PM	52820						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD.fx	9:30:00 AM	52821						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD.fx	11:30:00 AM	52822						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD.fx	1:30:00 PM	52823						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHKD.fx	3:30:00 PM	52824						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF	9:30:00 AM	52825						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF	11:30:00 AM	52826						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF	1:30:00 PM	52827						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF	3:30:00 PM	52828						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF.fx	9:30:00 AM	52829						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF.fx	11:30:00 AM	52830						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF.fx	1:30:00 PM	52831						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURHUF.fx	3:30:00 PM	52832						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY	9:30:00 AM	52833						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY	11:30:00 AM	52834						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY	1:30:00 PM	52835						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY	3:30:00 PM	52836						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY.fx	9:30:00 AM	52837						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY.fx	11:30:00 AM	52838						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY.fx	1:30:00 PM	52839						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURJPY.fx	3:30:00 PM	52840						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN	9:30:00 AM	52841						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN	11:30:00 AM	52842						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN	1:30:00 PM	52843						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN	3:30:00 PM	52844						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN.fx	9:30:00 AM	52845						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN.fx	11:30:00 AM	52846						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURMXN.fx	1:30:00 PM	52847						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	EURMXN.fx	3:30:00 PM	52848						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK	9:30:00 AM	52849						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK	11:30:00 AM	52850						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK	1:30:00 PM	52851						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK	3:30:00 PM	52852						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK.fx	9:30:00 AM	52853						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK.fx	11:30:00 AM	52854						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK.fx	1:30:00 PM	52855						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNOK.fx	3:30:00 PM	52856						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD	9:30:00 AM	52857						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD	11:30:00 AM	52858						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD	1:30:00 PM	52859						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD	3:30:00 PM	52860						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD.fx	9:30:00 AM	52861						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD.fx	11:30:00 AM	52862						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD.fx	1:30:00 PM	52863						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURNZD.fx	3:30:00 PM	52864						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN	9:30:00 AM	52865						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN	11:30:00 AM	52866						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN	1:30:00 PM	52867						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN	3:30:00 PM	52868						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN.fx	9:30:00 AM	52869						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN.fx	11:30:00 AM	52870						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN.fx	1:30:00 PM	52871						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURPLN.fx	3:30:00 PM	52872						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURRUB	9:30:00 AM	52873						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURRUB	11:30:00 AM	52874						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURRUB	1:30:00 PM	52875						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURRUB	3:30:00 PM	52876						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK	9:30:00 AM	52877						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK	11:30:00 AM	52878						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK	1:30:00 PM	52879						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK	3:30:00 PM	52880						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK.fx	9:30:00 AM	52881						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	EURSEK.fx	11:30:00 AM	52882						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK.fx	1:30:00 PM	52883						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSEK.fx	3:30:00 PM	52884						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD	9:30:00 AM	52885						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD	11:30:00 AM	52886						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD	1:30:00 PM	52887						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD	3:30:00 PM	52888						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD.fx	9:30:00 AM	52889						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD.fx	11:30:00 AM	52890						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD.fx	1:30:00 PM	52891						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURSGD.fx	3:30:00 PM	52892						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD	9:30:00 AM	52893						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD	11:30:00 AM	52894						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD	1:30:00 PM	52895						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD	3:30:00 PM	52896						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD.fx	9:30:00 AM	52897						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD.fx	11:30:00 AM	52898						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD.fx	1:30:00 PM	52899						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURUSD.fx	3:30:00 PM	52900						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR	9:30:00 AM	52901						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR	11:30:00 AM	52902						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR	1:30:00 PM	52903						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR	3:30:00 PM	52904						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR.fx	9:30:00 AM	52905						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR.fx	11:30:00 AM	52906						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR.fx	1:30:00 PM	52907						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	EURZAR.fx	3:30:00 PM	52908						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD	9:30:00 AM	52909						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD	11:30:00 AM	52910						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD	1:30:00 PM	52911						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD	3:30:00 PM	52912						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD.fx	9:30:00 AM	52913						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD.fx	11:30:00 AM	52914						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPAUD.fx	1:30:00 PM	52915						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	GBPAUD.fx	3:30:00 PM	52916						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD	9:30:00 AM	52917						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD	11:30:00 AM	52918						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD	1:30:00 PM	52919						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD	3:30:00 PM	52920						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD.fx	9:30:00 AM	52921						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD.fx	11:30:00 AM	52922						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD.fx	1:30:00 PM	52923						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCAD.fx	3:30:00 PM	52924						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF	9:30:00 AM	52925						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF	11:30:00 AM	52926						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF	1:30:00 PM	52927						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF	3:30:00 PM	52928						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF.fx	9:30:00 AM	52929						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF.fx	11:30:00 AM	52930						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF.fx	1:30:00 PM	52931						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCHF.fx	3:30:00 PM	52932						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCZK	9:30:00 AM	52933						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCZK	11:30:00 AM	52934						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCZK	1:30:00 PM	52935						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPCZK	3:30:00 PM	52936						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK	9:30:00 AM	52937						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK	11:30:00 AM	52938						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK	1:30:00 PM	52939						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK	3:30:00 PM	52940						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK.fx	9:30:00 AM	52941						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK.fx	11:30:00 AM	52942						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK.fx	1:30:00 PM	52943						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPDKK.fx	3:30:00 PM	52944						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHKD	9:30:00 AM	52945						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHKD	11:30:00 AM	52946						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHKD	1:30:00 PM	52947						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHKD	3:30:00 PM	52948						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHUF	9:30:00 AM	52949						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	GBPHUF	11:30:00 AM	52950						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHUF	1:30:00 PM	52951						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPHUF	3:30:00 PM	52952						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY	9:30:00 AM	52953						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY	11:30:00 AM	52954						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY	1:30:00 PM	52955						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY	3:30:00 PM	52956						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY.fx	9:30:00 AM	52957						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY.fx	11:30:00 AM	52958						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY.fx	1:30:00 PM	52959						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPJPY.fx	3:30:00 PM	52960						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPMXN	9:30:00 AM	52961						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPMXN	11:30:00 AM	52962						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPMXN	1:30:00 PM	52963						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPMXN	3:30:00 PM	52964						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK	9:30:00 AM	52965						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK	11:30:00 AM	52966						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK	1:30:00 PM	52967						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK	3:30:00 PM	52968						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK.fx	9:30:00 AM	52969						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK.fx	11:30:00 AM	52970						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK.fx	1:30:00 PM	52971						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNOK.fx	3:30:00 PM	52972						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD	9:30:00 AM	52973						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD	11:30:00 AM	52974						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD	1:30:00 PM	52975						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD	3:30:00 PM	52976						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD.fx	9:30:00 AM	52977						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD.fx	11:30:00 AM	52978						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD.fx	1:30:00 PM	52979						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPNZD.fx	3:30:00 PM	52980						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN	9:30:00 AM	52981						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN	11:30:00 AM	52982						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN	1:30:00 PM	52983						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	GBPPLN	3:30:00 PM	52984						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN.fx	9:30:00 AM	52985						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN.fx	11:30:00 AM	52986						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN.fx	1:30:00 PM	52987						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPPLN.fx	3:30:00 PM	52988						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK	9:30:00 AM	52989						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK	11:30:00 AM	52990						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK	1:30:00 PM	52991						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK	3:30:00 PM	52992						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK.fx	9:30:00 AM	52993						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK.fx	11:30:00 AM	52994						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK.fx	1:30:00 PM	52995						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSEK.fx	3:30:00 PM	52996						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD	9:30:00 AM	52997						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD	11:30:00 AM	52998						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD	1:30:00 PM	52999						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD	3:30:00 PM	53000						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD.fx	9:30:00 AM	53001						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD.fx	11:30:00 AM	53002						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD.fx	1:30:00 PM	53003						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPSGD.fx	3:30:00 PM	53004						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD	9:30:00 AM	53005						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD	11:30:00 AM	53006						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD	1:30:00 PM	53007						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD	3:30:00 PM	53008						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD.fx	9:30:00 AM	53009						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD.fx	11:30:00 AM	53010						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD.fx	1:30:00 PM	53011						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPUSD.fx	3:30:00 PM	53012						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR	9:30:00 AM	53013						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR	11:30:00 AM	53014						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR	1:30:00 PM	53015						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR	3:30:00 PM	53016						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR.fx	9:30:00 AM	53017						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	GBPZAR.fx	11:30:00 AM	53018						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR.fx	1:30:00 PM	53019						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GBPZAR.fx	3:30:00 PM	53020						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GOLD	9:30:00 AM	53021						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GOLD	11:30:00 AM	53022						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GOLD	1:30:00 PM	53023						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	GOLD	3:30:00 PM	53024						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY	9:30:00 AM	53025						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY	11:30:00 AM	53026						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY	1:30:00 PM	53027						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY	3:30:00 PM	53028						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY.fx	9:30:00 AM	53029						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY.fx	11:30:00 AM	53030						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY.fx	1:30:00 PM	53031						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HKDJPY.fx	3:30:00 PM	53032						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HUFJPY	9:30:00 AM	53033						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HUFJPY	11:30:00 AM	53034						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HUFJPY	1:30:00 PM	53035						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	HUFJPY	3:30:00 PM	53036						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	JP225.i	9:30:00 AM	53037						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	JP225.i	11:30:00 AM	53038						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	JP225.i	1:30:00 PM	53039						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	JP225.i	3:30:00 PM	53040						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	MXNJPY	9:30:00 AM	53041						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	MXNJPY	11:30:00 AM	53042						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	MXNJPY	1:30:00 PM	53043						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	MXNJPY	3:30:00 PM	53044						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NASDAQ.i	9:30:00 AM	53045						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NASDAQ.i	11:30:00 AM	53046						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NASDAQ.i	1:30:00 PM	53047						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NASDAQ.i	3:30:00 PM	53048						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY	9:30:00 AM	53049						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY	11:30:00 AM	53050						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY	1:30:00 PM	53051						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	NOKJPY	3:30:00 PM	53052						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY.fx	9:30:00 AM	53053						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY.fx	11:30:00 AM	53054						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY.fx	1:30:00 PM	53055						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NOKJPY.fx	3:30:00 PM	53056						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD	9:30:00 AM	53057						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD	11:30:00 AM	53058						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD	1:30:00 PM	53059						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD	3:30:00 PM	53060						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD.fx	9:30:00 AM	53061						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD.fx	11:30:00 AM	53062						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD.fx	1:30:00 PM	53063						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCAD.fx	3:30:00 PM	53064						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF	9:30:00 AM	53065						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF	11:30:00 AM	53066						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF	1:30:00 PM	53067						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF	3:30:00 PM	53068						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF.fx	9:30:00 AM	53069						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF.fx	11:30:00 AM	53070						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF.fx	1:30:00 PM	53071						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCHF.fx	3:30:00 PM	53072						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCZK	9:30:00 AM	53073						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCZK	11:30:00 AM	53074						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCZK	1:30:00 PM	53075						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDCZK	3:30:00 PM	53076						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDDKK	9:30:00 AM	53077						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDDKK	11:30:00 AM	53078						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDDKK	1:30:00 PM	53079						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDDKK	3:30:00 PM	53080						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHKD	9:30:00 AM	53081						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHKD	11:30:00 AM	53082						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHKD	1:30:00 PM	53083						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHKD	3:30:00 PM	53084						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHUF	9:30:00 AM	53085						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	NZDHUF	11:30:00 AM	53086						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHUF	1:30:00 PM	53087						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDHUF	3:30:00 PM	53088						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY	9:30:00 AM	53089						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY	11:30:00 AM	53090						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY	1:30:00 PM	53091						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY	3:30:00 PM	53092						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY.fx	9:30:00 AM	53093						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY.fx	11:30:00 AM	53094						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY.fx	1:30:00 PM	53095						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDJPY.fx	3:30:00 PM	53096						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDMXN	9:30:00 AM	53097						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDMXN	11:30:00 AM	53098						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDMXN	1:30:00 PM	53099						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDMXN	3:30:00 PM	53100						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDNOK	9:30:00 AM	53101						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDNOK	11:30:00 AM	53102						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDNOK	1:30:00 PM	53103						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDNOK	3:30:00 PM	53104						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDPLN	9:30:00 AM	53105						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDPLN	11:30:00 AM	53106						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDPLN	1:30:00 PM	53107						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDPLN	3:30:00 PM	53108						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSEK	9:30:00 AM	53109						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSEK	11:30:00 AM	53110						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSEK	1:30:00 PM	53111						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSEK	3:30:00 PM	53112						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD	9:30:00 AM	53113						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD	11:30:00 AM	53114						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD	1:30:00 PM	53115						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD	3:30:00 PM	53116						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD.fx	9:30:00 AM	53117						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD.fx	11:30:00 AM	53118						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDSGD.fx	1:30:00 PM	53119						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	NZDSGD.fx	3:30:00 PM	53120						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD	9:30:00 AM	53121						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD	11:30:00 AM	53122						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD	1:30:00 PM	53123						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD	3:30:00 PM	53124						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD.fx	9:30:00 AM	53125						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD.fx	11:30:00 AM	53126						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD.fx	1:30:00 PM	53127						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDUSD.fx	3:30:00 PM	53128						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDZAR	9:30:00 AM	53129						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDZAR	11:30:00 AM	53130						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDZAR	1:30:00 PM	53131						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	NZDZAR	3:30:00 PM	53132						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY	9:30:00 AM	53133						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY	11:30:00 AM	53134						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY	1:30:00 PM	53135						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY	3:30:00 PM	53136						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY.fx	9:30:00 AM	53137						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY.fx	11:30:00 AM	53138						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY.fx	1:30:00 PM	53139						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SEKJPY.fx	3:30:00 PM	53140						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SGDJPY	9:30:00 AM	53141						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SGDJPY	11:30:00 AM	53142						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SGDJPY	1:30:00 PM	53143						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SGDJPY	3:30:00 PM	53144						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SILVER	9:30:00 AM	53145						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SILVER	11:30:00 AM	53146						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SILVER	1:30:00 PM	53147						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SILVER	3:30:00 PM	53148						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SPX500.i	9:30:00 AM	53149						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	SPX500.i	11:30:00 AM	53150						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	SPX500.i	3:30:00 PM	53152						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	UK100.i	11:30:00 AM	53154						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	UK100.i	1:30:00 PM	53155						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	UK100.i	3:30:00 PM	53156						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD	9:30:00 AM	53157						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD	11:30:00 AM	53158						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD	1:30:00 PM	53159						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD	3:30:00 PM	53160						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD.fx	9:30:00 AM	53161						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCAD.fx	11:30:00 AM	53162						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDCAD.fx	3:30:00 PM	53164						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF	9:30:00 AM	53165						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF	11:30:00 AM	53166						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF	1:30:00 PM	53167						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF	3:30:00 PM	53168						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF.fx	9:30:00 AM	53169						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDCHF.fx	1:30:00 PM	53171						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCHF.fx	3:30:00 PM	53172						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK	9:30:00 AM	53173						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK	11:30:00 AM	53174						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDCZK	3:30:00 PM	53176						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK.fx	9:30:00 AM	53177						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK.fx	11:30:00 AM	53178						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK.fx	1:30:00 PM	53179						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDCZK.fx	3:30:00 PM	53180						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK	9:30:00 AM	53181						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK	11:30:00 AM	53182						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK	1:30:00 PM	53183						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK	3:30:00 PM	53184						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK.fx	9:30:00 AM	53185						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK.fx	11:30:00 AM	53186						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDDKK.fx	1:30:00 PM	53187						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	USDDKK.fx	3:30:00 PM	53188						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD	9:30:00 AM	53189						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD	11:30:00 AM	53190						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD	1:30:00 PM	53191						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD	3:30:00 PM	53192						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD.fx	9:30:00 AM	53193						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD.fx	11:30:00 AM	53194						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD.fx	1:30:00 PM	53195						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHKD.fx	3:30:00 PM	53196						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF	9:30:00 AM	53197						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF	11:30:00 AM	53198						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF	1:30:00 PM	53199						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF	3:30:00 PM	53200						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF.fx	9:30:00 AM	53201						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF.fx	11:30:00 AM	53202						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF.fx	1:30:00 PM	53203						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDHUF.fx	3:30:00 PM	53204						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDINR	9:30:00 AM	53205						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDINR	11:30:00 AM	53206						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDINR	1:30:00 PM	53207						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDINR	3:30:00 PM	53208						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY	9:30:00 AM	53209						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY	11:30:00 AM	53210						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY	1:30:00 PM	53211						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY	3:30:00 PM	53212						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY.fx	9:30:00 AM	53213						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY.fx	11:30:00 AM	53214						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY.fx	1:30:00 PM	53215						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDJPY.fx	3:30:00 PM	53216						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN	9:30:00 AM	53217						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN	11:30:00 AM	53218						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN	1:30:00 PM	53219						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN	3:30:00 PM	53220						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	JSDMXN.fx	9:30:00 AM	53221						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	USDMXN.fx	11:30:00 AM	53222						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN.fx	1:30:00 PM	53223						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDMXN.fx	3:30:00 PM	53224						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK	9:30:00 AM	53225						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK	11:30:00 AM	53226						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK	1:30:00 PM	53227						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK	3:30:00 PM	53228						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK.fx	9:30:00 AM	53229						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK.fx	11:30:00 AM	53230						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDNOK.fx	1:30:00 PM	53231						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDPLN	11:30:00 AM	53234						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDPLN	1:30:00 PM	53235						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDPLN	3:30:00 PM	53236						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDPLN.fx	9:30:00 AM	53237						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDRUB	9:30:00 AM	53241						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDRUB	3:30:00 PM	53244						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDSEK	1:30:00 PM	53247						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDSEK.fx	9:30:00 AM	53249						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSEK.fx	11:30:00 AM	53250						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSEK.fx	1:30:00 PM	53251						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSEK.fx	3:30:00 PM	53252						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD	9:30:00 AM	53253						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD	11:30:00 AM	53254						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD	1:30:00 PM	53255						Continuous Quote	N/A	ELECTRONIC	N/A

11/14/2019	USDSGD	3:30:00 PM	53256						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD.fx	9:30:00 AM	53257						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD.fx	11:30:00 AM	53258						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD.fx	1:30:00 PM	53259						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDSGD.fx	3:30:00 PM	53260						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDZAR	9:30:00 AM	53261						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	USDZAR	3:30:00 PM	53264						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDZAR.fx	9:30:00 AM	53265						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDZAR.fx	11:30:00 AM	53266						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDZAR.fx	1:30:00 PM	53267						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	USDZAR.fx	3:30:00 PM	53268						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	XAUUSD	9:30:00 AM	53269						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	XAUUSD	11:30:00 AM	53270						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	XAUUSD	1:30:00 PM	53271						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	XAUUSD	3:30:00 PM	53272						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	ZARJPY	9:30:00 AM	53273						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	ZARJPY	11:30:00 AM	53274						Continuous Quote	N/A	ELECTRONIC	N/A
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11/14/2019	ZARJPY	3:30:00 PM	53276						Continuous Quote	N/A	ELECTRONIC	N/A
11/14/2019	ZARJPY.fx	9:30:00 AM	53277						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#AA	1:30:00 PM	53283						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#AA	3:30:00 PM	53284						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#AABA	3:30:00 PM	53288						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#AAL	9:30:00 AM	53289						Continuous Quote	N/A	ELECTRONIC	N/A

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11/15/2019	#AAL	3:30:00 PM	53292						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#AMD	9:30:00 AM	53305						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#AMD	3:30:00 PM	53308						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#AMZN	9:30:00 AM	53309						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#AMZN	11:30:00 AM	53310						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#BA	9:30:00 AM	53317						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#BA	3:30:00 PM	53320						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#BABA	9:30:00 AM	53321						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#BABA	11:30:00 AM	53322						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#BABA	1:30:00 PM	53323						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	#BABA	3:30:00 PM	53324						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	#BAC	1:30:00 PM	53327						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#BAC	3:30:00 PM	53328						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	#BARC	9:30:00 AM	53329						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDHUF	11:30:00 AM	53754						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDHUF	3:30:00 PM	53756						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDJPY	11:30:00 AM	53758						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY	1:30:00 PM	53759						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY	3:30:00 PM	53760						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY.fx	9:30:00 AM	53761						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY.fx	11:30:00 AM	53762						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY.fx	1:30:00 PM	53763						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDJPY.fx	3:30:00 PM	53764						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDMXN	9:30:00 AM	53765						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	AUDMXN	11:30:00 AM	53766						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDMXN	1:30:00 PM	53767						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDMXN	3:30:00 PM	53768						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDNOK	11:30:00 AM	53770						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDNOK	1:30:00 PM	53771						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDNOK	3:30:00 PM	53772						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDNOK.fx	9:30:00 AM	53773						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDNZD.fx	9:30:00 AM	53781						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDNZD.fx	1:30:00 PM	53783						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDNZD.fx	3:30:00 PM	53784						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDSEK	11:30:00 AM	53790						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSEK	1:30:00 PM	53791						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDSEK.fx	11:30:00 AM	53794						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSEK.fx	1:30:00 PM	53795						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSEK.fx	3:30:00 PM	53796						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD	9:30:00 AM	53797						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD	11:30:00 AM	53798						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD	1:30:00 PM	53799						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	AUDSGD	3:30:00 PM	53800						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD.fx	9:30:00 AM	53801						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD.fx	11:30:00 AM	53802						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD.fx	1:30:00 PM	53803						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDSGD.fx	3:30:00 PM	53804						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDUSD	9:30:00 AM	53805						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDUSD	11:30:00 AM	53806						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDUSD	1:30:00 PM	53807						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	AUDUSD	3:30:00 PM	53808						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDUSD.fx	11:30:00 AM	53810						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDUSD.fx	3:30:00 PM	53812						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	AUDZAR	11:30:00 AM	53814						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADCHF	9:30:00 AM	53825						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADCHF.fx	11:30:00 AM	53830						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADCHF.fx	1:30:00 PM	53831						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADCHF.fx	3:30:00 PM	53832						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADDDK	9:30:00 AM	53837						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADDDK	11:30:00 AM	53838						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADDDK	3:30:00 PM	53840						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADJPY.fx	1:30:00 PM	53855						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADMXN	9:30:00 AM	53857						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADMXN	3:30:00 PM	53860						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADNOK	9:30:00 AM	53861						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADNOK	11:30:00 AM	53862						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADNOK	1:30:00 PM	53863						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADNOK	3:30:00 PM	53864						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADPLN	9:30:00 AM	53865						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADPLN	11:30:00 AM	53866						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADPLN	1:30:00 PM	53867						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	CADPLN	3:30:00 PM	53868						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADSEK	11:30:00 AM	53870						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADSEK	1:30:00 PM	53871						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADSEK	3:30:00 PM	53872						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CADSGD	9:30:00 AM	53873						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CADSGD	1:30:00 PM	53875						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CHFCZK	3:30:00 PM	53884						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK	9:30:00 AM	53885						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CHFDKK	1:30:00 PM	53887						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK	3:30:00 PM	53888						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK.fx	9:30:00 AM	53889						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK.fx	11:30:00 AM	53890						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK.fx	1:30:00 PM	53891						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFDKK.fx	3:30:00 PM	53892						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHKD	9:30:00 AM	53893						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHKD	11:30:00 AM	53894						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHKD	1:30:00 PM	53895						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHKD	3:30:00 PM	53896						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHUF	9:30:00 AM	53897						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHUF	11:30:00 AM	53898						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHUF	1:30:00 PM	53899						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFHUF	3:30:00 PM	53900						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFJPY	9:30:00 AM	53901						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	CHFJPY	11:30:00 AM	53902						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CHFJPY.fx	11:30:00 AM	53906						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFJPY.fx	1:30:00 PM	53907						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFJPY.fx	3:30:00 PM	53908						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CHFMXN	11:30:00 AM	53910						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CHFNOK.fx	11:30:00 AM	53918						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFNOK.fx	1:30:00 PM	53919						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFNOK.fx	3:30:00 PM	53920						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN	9:30:00 AM	53921						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN	11:30:00 AM	53922						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN	1:30:00 PM	53923						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN	3:30:00 PM	53924						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN.fx	9:30:00 AM	53925						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN.fx	11:30:00 AM	53926						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN.fx	1:30:00 PM	53927						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFPLN.fx	3:30:00 PM	53928						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSEK	9:30:00 AM	53929						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSEK	11:30:00 AM	53930						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSEK	1:30:00 PM	53931						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSEK	3:30:00 PM	53932						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSGD	9:30:00 AM	53933						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSGD	11:30:00 AM	53934						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CHFSGD	1:30:00 PM	53935						Continuous Quote	N/A	ELECTRONIC	N/A

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11/15/2019	CHFSGD.fx	11:30:00 AM	53938						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	CZKJPY	9:30:00 AM	53945						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	CZKJPY	11:30:00 AM	53946						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	DAX30.i	11:30:00 AM	53950						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DAX30.i	1:30:00 PM	53951						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DAX30.i	3:30:00 PM	53952						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DJ30.i	9:30:00 AM	53953						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DJ30.i	11:30:00 AM	53954						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DJ30.i	1:30:00 PM	53955						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DJ30.i	3:30:00 PM	53956						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DKKJPY	9:30:00 AM	53957						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DKKJPY	11:30:00 AM	53958						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DKKJPY	1:30:00 PM	53959						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	DKKJPY	3:30:00 PM	53960						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD	9:30:00 AM	53961						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD	11:30:00 AM	53962						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD	1:30:00 PM	53963						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD	3:30:00 PM	53964						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD.fx	9:30:00 AM	53965						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD.fx	11:30:00 AM	53966						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD.fx	1:30:00 PM	53967						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURAUD.fx	3:30:00 PM	53968						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD	9:30:00 AM	53969						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	EURCAD	11:30:00 AM	53970						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD	1:30:00 PM	53971						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD	3:30:00 PM	53972						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD.fx	9:30:00 AM	53973						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD.fx	11:30:00 AM	53974						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD.fx	1:30:00 PM	53975						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCAD.fx	3:30:00 PM	53976						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF	9:30:00 AM	53977						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF	11:30:00 AM	53978						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF	1:30:00 PM	53979						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF	3:30:00 PM	53980						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF.fx	9:30:00 AM	53981						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF.fx	11:30:00 AM	53982						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF.fx	1:30:00 PM	53983						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCHF.fx	3:30:00 PM	53984						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCZK	9:30:00 AM	53985						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCZK	11:30:00 AM	53986						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCZK	1:30:00 PM	53987						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURCZK	3:30:00 PM	53988						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURDKK	9:30:00 AM	53989						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURDKK	11:30:00 AM	53990						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURDKK	1:30:00 PM	53991						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURDKK	3:30:00 PM	53992						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP	9:30:00 AM	53993						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP	11:30:00 AM	53994						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP	1:30:00 PM	53995						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP	3:30:00 PM	53996						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP.fx	9:30:00 AM	53997						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP.fx	11:30:00 AM	53998						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP.fx	1:30:00 PM	53999						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURGBP.fx	3:30:00 PM	54000						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD	9:30:00 AM	54001						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD	11:30:00 AM	54002						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD	1:30:00 PM	54003						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	EURHKD	3:30:00 PM	54004						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD.fx	9:30:00 AM	54005						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD.fx	11:30:00 AM	54006						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD.fx	1:30:00 PM	54007						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHKD.fx	3:30:00 PM	54008						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF	9:30:00 AM	54009						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF	11:30:00 AM	54010						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF	1:30:00 PM	54011						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF	3:30:00 PM	54012						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF.fx	9:30:00 AM	54013						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF.fx	11:30:00 AM	54014						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF.fx	1:30:00 PM	54015						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURHUF.fx	3:30:00 PM	54016						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY	9:30:00 AM	54017						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY	11:30:00 AM	54018						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY	1:30:00 PM	54019						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY	3:30:00 PM	54020						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY.fx	9:30:00 AM	54021						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY.fx	11:30:00 AM	54022						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY.fx	1:30:00 PM	54023						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURJPY.fx	3:30:00 PM	54024						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN	9:30:00 AM	54025						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN	11:30:00 AM	54026						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN	1:30:00 PM	54027						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN	3:30:00 PM	54028						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN.fx	9:30:00 AM	54029						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN.fx	11:30:00 AM	54030						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN.fx	1:30:00 PM	54031						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURMXN.fx	3:30:00 PM	54032						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK	9:30:00 AM	54033						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK	11:30:00 AM	54034						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK	1:30:00 PM	54035						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK	3:30:00 PM	54036						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK.fx	9:30:00 AM	54037						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	EURNOK.fx	11:30:00 AM	54038						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK.fx	1:30:00 PM	54039						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNOK.fx	3:30:00 PM	54040						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD	9:30:00 AM	54041						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD	11:30:00 AM	54042						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD	1:30:00 PM	54043						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD	3:30:00 PM	54044						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD.fx	9:30:00 AM	54045						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD.fx	11:30:00 AM	54046						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD.fx	1:30:00 PM	54047						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURNZD.fx	3:30:00 PM	54048						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN	9:30:00 AM	54049						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN	11:30:00 AM	54050						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN	1:30:00 PM	54051						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN	3:30:00 PM	54052						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN.fx	9:30:00 AM	54053						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN.fx	11:30:00 AM	54054						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN.fx	1:30:00 PM	54055						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURPLN.fx	3:30:00 PM	54056						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURRUB	9:30:00 AM	54057						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURRUB	11:30:00 AM	54058						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURRUB	1:30:00 PM	54059						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURRUB	3:30:00 PM	54060						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK	9:30:00 AM	54061						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK	11:30:00 AM	54062						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK	1:30:00 PM	54063						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK	3:30:00 PM	54064						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK.fx	9:30:00 AM	54065						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK.fx	11:30:00 AM	54066						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK.fx	1:30:00 PM	54067						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSEK.fx	3:30:00 PM	54068						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD	9:30:00 AM	54069						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD	11:30:00 AM	54070						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD	1:30:00 PM	54071						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	EURSGD	3:30:00 PM	54072						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD.fx	9:30:00 AM	54073						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD.fx	11:30:00 AM	54074						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD.fx	1:30:00 PM	54075						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURSGD.fx	3:30:00 PM	54076						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD	9:30:00 AM	54077						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD	11:30:00 AM	54078						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD	1:30:00 PM	54079						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD	3:30:00 PM	54080						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD.fx	9:30:00 AM	54081						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD.fx	11:30:00 AM	54082						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD.fx	1:30:00 PM	54083						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURUSD.fx	3:30:00 PM	54084						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR	9:30:00 AM	54085						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR	11:30:00 AM	54086						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR	1:30:00 PM	54087						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR	3:30:00 PM	54088						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR.fx	9:30:00 AM	54089						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR.fx	11:30:00 AM	54090						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR.fx	1:30:00 PM	54091						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	EURZAR.fx	3:30:00 PM	54092						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD	9:30:00 AM	54093						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD	11:30:00 AM	54094						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD	1:30:00 PM	54095						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD	3:30:00 PM	54096						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD.fx	9:30:00 AM	54097						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD.fx	11:30:00 AM	54098						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD.fx	1:30:00 PM	54099						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPAUD.fx	3:30:00 PM	54100						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD	9:30:00 AM	54101						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD	11:30:00 AM	54102						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD	1:30:00 PM	54103						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD	3:30:00 PM	54104						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD.fx	9:30:00 AM	54105						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	GBPCAD.fx	11:30:00 AM	54106						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD.fx	1:30:00 PM	54107						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCAD.fx	3:30:00 PM	54108						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF	9:30:00 AM	54109						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF	11:30:00 AM	54110						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF	1:30:00 PM	54111						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF	3:30:00 PM	54112						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF.fx	9:30:00 AM	54113						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF.fx	11:30:00 AM	54114						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF.fx	1:30:00 PM	54115						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCHF.fx	3:30:00 PM	54116						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCZK	9:30:00 AM	54117						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCZK	11:30:00 AM	54118						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCZK	1:30:00 PM	54119						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPCZK	3:30:00 PM	54120						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK	9:30:00 AM	54121						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK	11:30:00 AM	54122						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK	1:30:00 PM	54123						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK	3:30:00 PM	54124						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK.fx	9:30:00 AM	54125						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK.fx	11:30:00 AM	54126						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK.fx	1:30:00 PM	54127						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPDKK.fx	3:30:00 PM	54128						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHKD	9:30:00 AM	54129						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHKD	11:30:00 AM	54130						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHKD	1:30:00 PM	54131						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHKD	3:30:00 PM	54132						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHUF	9:30:00 AM	54133						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHUF	11:30:00 AM	54134						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHUF	1:30:00 PM	54135						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPHUF	3:30:00 PM	54136						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY	9:30:00 AM	54137						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY	11:30:00 AM	54138						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY	1:30:00 PM	54139						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	GBPJPY	3:30:00 PM	54140						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY.fx	9:30:00 AM	54141						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY.fx	11:30:00 AM	54142						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY.fx	1:30:00 PM	54143						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPJPY.fx	3:30:00 PM	54144						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPMXN	9:30:00 AM	54145						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPMXN	11:30:00 AM	54146						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPMXN	1:30:00 PM	54147						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPMXN	3:30:00 PM	54148						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK	9:30:00 AM	54149						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK	11:30:00 AM	54150						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK	1:30:00 PM	54151						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK	3:30:00 PM	54152						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK.fx	9:30:00 AM	54153						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK.fx	11:30:00 AM	54154						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK.fx	1:30:00 PM	54155						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNOK.fx	3:30:00 PM	54156						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD	9:30:00 AM	54157						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD	11:30:00 AM	54158						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD	1:30:00 PM	54159						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD	3:30:00 PM	54160						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD.fx	9:30:00 AM	54161						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD.fx	11:30:00 AM	54162						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD.fx	1:30:00 PM	54163						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPNZD.fx	3:30:00 PM	54164						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN	9:30:00 AM	54165						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN	11:30:00 AM	54166						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN	1:30:00 PM	54167						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN	3:30:00 PM	54168						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN.fx	9:30:00 AM	54169						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN.fx	11:30:00 AM	54170						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN.fx	1:30:00 PM	54171						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPPLN.fx	3:30:00 PM	54172						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK	9:30:00 AM	54173						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	GBPSEK	11:30:00 AM	54174						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK	1:30:00 PM	54175						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK	3:30:00 PM	54176						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK.fx	9:30:00 AM	54177						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK.fx	11:30:00 AM	54178						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK.fx	1:30:00 PM	54179						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSEK.fx	3:30:00 PM	54180						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD	9:30:00 AM	54181						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD	11:30:00 AM	54182						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD	1:30:00 PM	54183						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD	3:30:00 PM	54184						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD.fx	9:30:00 AM	54185						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD.fx	11:30:00 AM	54186						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD.fx	1:30:00 PM	54187						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPSGD.fx	3:30:00 PM	54188						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD	9:30:00 AM	54189						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD	11:30:00 AM	54190						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD	1:30:00 PM	54191						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD	3:30:00 PM	54192						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD.fx	9:30:00 AM	54193						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD.fx	11:30:00 AM	54194						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD.fx	1:30:00 PM	54195						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPUSD.fx	3:30:00 PM	54196						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR	9:30:00 AM	54197						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR	11:30:00 AM	54198						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR	1:30:00 PM	54199						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR	3:30:00 PM	54200						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR.fx	9:30:00 AM	54201						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR.fx	11:30:00 AM	54202						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR.fx	1:30:00 PM	54203						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GBPZAR.fx	3:30:00 PM	54204						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GOLD	9:30:00 AM	54205						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GOLD	11:30:00 AM	54206						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	GOLD	1:30:00 PM	54207						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	GOLD	3:30:00 PM	54208						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY	9:30:00 AM	54209						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY	11:30:00 AM	54210						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY	1:30:00 PM	54211						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY	3:30:00 PM	54212						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY.fx	9:30:00 AM	54213						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY.fx	11:30:00 AM	54214						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY.fx	1:30:00 PM	54215						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HKDJPY.fx	3:30:00 PM	54216						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HUFJPY	9:30:00 AM	54217						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HUFJPY	11:30:00 AM	54218						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HUFJPY	1:30:00 PM	54219						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	HUFJPY	3:30:00 PM	54220						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JP225.i	9:30:00 AM	54221						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JP225.i	11:30:00 AM	54222						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JP225.i	1:30:00 PM	54223						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JP225.i	3:30:00 PM	54224						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	MXNJPY	9:30:00 AM	54225						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	MXNJPY	11:30:00 AM	54226						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	MXNJPY	1:30:00 PM	54227						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	MXNJPY	3:30:00 PM	54228						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NASDAQ.i	9:30:00 AM	54229						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NASDAQ.i	11:30:00 AM	54230						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NASDAQ.i	1:30:00 PM	54231						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NASDAQ.i	3:30:00 PM	54232						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY	9:30:00 AM	54233						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY	11:30:00 AM	54234						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY	1:30:00 PM	54235						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY	3:30:00 PM	54236						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY.fx	9:30:00 AM	54237						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY.fx	11:30:00 AM	54238						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY.fx	1:30:00 PM	54239						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NOKJPY.fx	3:30:00 PM	54240						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD	9:30:00 AM	54241						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	NZDCAD	11:30:00 AM	54242						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD	1:30:00 PM	54243						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD	3:30:00 PM	54244						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD.fx	9:30:00 AM	54245						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD.fx	11:30:00 AM	54246						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD.fx	1:30:00 PM	54247						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCAD.fx	3:30:00 PM	54248						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF	9:30:00 AM	54249						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF	11:30:00 AM	54250						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF	1:30:00 PM	54251						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF	3:30:00 PM	54252						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF.fx	9:30:00 AM	54253						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF.fx	11:30:00 AM	54254						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF.fx	1:30:00 PM	54255						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCHF.fx	3:30:00 PM	54256						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCZK	9:30:00 AM	54257						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCZK	11:30:00 AM	54258						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCZK	1:30:00 PM	54259						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDCZK	3:30:00 PM	54260						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDDKK	9:30:00 AM	54261						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDDKK	11:30:00 AM	54262						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDDKK	1:30:00 PM	54263						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDDKK	3:30:00 PM	54264						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHKD	9:30:00 AM	54265						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHKD	11:30:00 AM	54266						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHKD	1:30:00 PM	54267						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHKD	3:30:00 PM	54268						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHUF	9:30:00 AM	54269						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHUF	11:30:00 AM	54270						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHUF	1:30:00 PM	54271						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDHUF	3:30:00 PM	54272						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY	9:30:00 AM	54273						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY	11:30:00 AM	54274						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY	1:30:00 PM	54275						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	NZDJPY	3:30:00 PM	54276						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY.fx	9:30:00 AM	54277						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY.fx	11:30:00 AM	54278						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY.fx	1:30:00 PM	54279						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDJPY.fx	3:30:00 PM	54280						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDMXN	9:30:00 AM	54281						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDMXN	11:30:00 AM	54282						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDMXN	1:30:00 PM	54283						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDMXN	3:30:00 PM	54284						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDNOK	9:30:00 AM	54285						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDNOK	11:30:00 AM	54286						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDNOK	1:30:00 PM	54287						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDNOK	3:30:00 PM	54288						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDPLN	9:30:00 AM	54289						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDPLN	11:30:00 AM	54290						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDPLN	1:30:00 PM	54291						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDPLN	3:30:00 PM	54292						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSEK	9:30:00 AM	54293						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSEK	11:30:00 AM	54294						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSEK	1:30:00 PM	54295						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSEK	3:30:00 PM	54296						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD	9:30:00 AM	54297						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD	11:30:00 AM	54298						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD	1:30:00 PM	54299						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD	3:30:00 PM	54300						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD.fx	9:30:00 AM	54301						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD.fx	11:30:00 AM	54302						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD.fx	1:30:00 PM	54303						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDSGD.fx	3:30:00 PM	54304						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD	9:30:00 AM	54305						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD	11:30:00 AM	54306						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD	1:30:00 PM	54307						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD	3:30:00 PM	54308						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD.fx	9:30:00 AM	54309						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	NZDUSD.fx	11:30:00 AM	54310						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD.fx	1:30:00 PM	54311						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDUSD.fx	3:30:00 PM	54312						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDZAR	9:30:00 AM	54313						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDZAR	11:30:00 AM	54314						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDZAR	1:30:00 PM	54315						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	NZDZAR	3:30:00 PM	54316						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY	9:30:00 AM	54317						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY	11:30:00 AM	54318						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY	1:30:00 PM	54319						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY	3:30:00 PM	54320						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY.fx	9:30:00 AM	54321						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY.fx	11:30:00 AM	54322						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY.fx	1:30:00 PM	54323						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SEKJPY.fx	3:30:00 PM	54324						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SGDJPY	9:30:00 AM	54325						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SGDJPY	11:30:00 AM	54326						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SGDJPY	1:30:00 PM	54327						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SGDJPY	3:30:00 PM	54328						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SILVER	9:30:00 AM	54329						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SILVER	11:30:00 AM	54330						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SILVER	1:30:00 PM	54331						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SILVER	3:30:00 PM	54332						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SPX500.i	9:30:00 AM	54333						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SPX500.i	11:30:00 AM	54334						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SPX500.i	1:30:00 PM	54335						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	SPX500.i	3:30:00 PM	54336						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	UK100.i	9:30:00 AM	54337						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	UK100.i	11:30:00 AM	54338						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	UK100.i	1:30:00 PM	54339						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	UK100.i	3:30:00 PM	54340						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDCAD	3:30:00 PM	54344						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDCAD.fx	3:30:00 PM	54348						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF	9:30:00 AM	54349						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF	11:30:00 AM	54350						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDCHEF	3:30:00 PM	54352						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF.fx	9:30:00 AM	54353						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF.fx	11:30:00 AM	54354						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF.fx	1:30:00 PM	54355						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCHEF.fx	3:30:00 PM	54356						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDCZK	3:30:00 PM	54360						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCZK.fx	9:30:00 AM	54361						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCZK.fx	11:30:00 AM	54362						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDCZK.fx	1:30:00 PM	54363						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDDKK	1:30:00 PM	54367						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDDKK	3:30:00 PM	54368						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDDKK.fx	11:30:00 AM	54370						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDDKK.fx	1:30:00 PM	54371						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDDKK.fx	3:30:00 PM	54372						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHKD	9:30:00 AM	54373						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHKD	11:30:00 AM	54374						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDHKD	3:30:00 PM	54376						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHKD.fx	9:30:00 AM	54377						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	USDHKD.fx	11:30:00 AM	54378						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDHUF	9:30:00 AM	54381						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHUF	11:30:00 AM	54382						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHUF	1:30:00 PM	54383						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHUF	3:30:00 PM	54384						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDHUF.fx	11:30:00 AM	54386						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHUF.fx	1:30:00 PM	54387						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDHUF.fx	3:30:00 PM	54388						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDINR	11:30:00 AM	54390						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDINR	1:30:00 PM	54391						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDINR	3:30:00 PM	54392						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY	9:30:00 AM	54393						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY	11:30:00 AM	54394						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY	1:30:00 PM	54395						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY	3:30:00 PM	54396						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDJPY.fx	11:30:00 AM	54398						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY.fx	1:30:00 PM	54399						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDJPY.fx	3:30:00 PM	54400						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDMXN	11:30:00 AM	54402						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDMXN	1:30:00 PM	54403						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDMXN	3:30:00 PM	54404						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JSDMXN.fx	9:30:00 AM	54405						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JSDMXN.fx	11:30:00 AM	54406						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JSDMXN.fx	1:30:00 PM	54407						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	JSDMXN.fx	3:30:00 PM	54408						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDNOK	9:30:00 AM	54409						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDNOK	11:30:00 AM	54410						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDNOK	1:30:00 PM	54411						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	USDNOK	3:30:00 PM	54412						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDNOK.fx	11:30:00 AM	54414						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDNOK.fx	1:30:00 PM	54415						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDNOK.fx	3:30:00 PM	54416						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDPLN	9:30:00 AM	54417						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDPLN	11:30:00 AM	54418						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDPLN	1:30:00 PM	54419						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDPLN	3:30:00 PM	54420						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDPLN.fx	11:30:00 AM	54422						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDPLN.fx	1:30:00 PM	54423						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDSGD	9:30:00 AM	54437						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDSGD	3:30:00 PM	54440						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDSGD.fx	9:30:00 AM	54441						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDSGD.fx	11:30:00 AM	54442						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDSGD.fx	1:30:00 PM	54443						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDSGD.fx	3:30:00 PM	54444						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDZAR	9:30:00 AM	54445						Continuous Quote	N/A	ELECTRONIC	N/A

11/15/2019	USDZAR	11:30:00 AM	54446						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDZAR	1:30:00 PM	54447						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDZAR.fx	9:30:00 AM	54449						Continuous Quote	N/A	ELECTRONIC	N/A
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11/15/2019	USDZAR.fx	1:30:00 PM	54451						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	USDZAR.fx	3:30:00 PM	54452						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	XAUUSD	9:30:00 AM	54453						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	XAUUSD	11:30:00 AM	54454						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	XAUUSD	1:30:00 PM	54455						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	XAUUSD	3:30:00 PM	54456						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	ZARJPY	9:30:00 AM	54457						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	ZARJPY	11:30:00 AM	54458						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	ZARJPY	1:30:00 PM	54459						Continuous Quote	N/A	ELECTRONIC	N/A
11/15/2019	ZARJPY	3:30:00 PM	54460						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#ADBE	1:30:00 PM	54483						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BABA	9:30:00 AM	54505						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BABA	11:30:00 AM	54506						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BABA	1:30:00 PM	54507						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BABA	3:30:00 PM	54508						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BAC	9:30:00 AM	54509						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BAC	3:30:00 PM	54512						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BARC	9:30:00 AM	54513						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	#BARC	11:30:00 AM	54514						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BARC	3:30:00 PM	54516						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BHP	9:30:00 AM	54517						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BHP	1:30:00 PM	54519						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#Bitcoin	3:30:00 PM	54528						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	#BK	9:30:00 AM	54529						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BLT	9:30:00 AM	54533						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	#BLT	3:30:00 PM	54536						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	AUDJPY	11:30:00 AM	54942						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY	1:30:00 PM	54943						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY	3:30:00 PM	54944						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY.fx	9:30:00 AM	54945						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY.fx	11:30:00 AM	54946						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY.fx	1:30:00 PM	54947						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDJPY.fx	3:30:00 PM	54948						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDMXN	9:30:00 AM	54949						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDMXN	11:30:00 AM	54950						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDMXN	1:30:00 PM	54951						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDMXN	3:30:00 PM	54952						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK	9:30:00 AM	54953						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK	11:30:00 AM	54954						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK	1:30:00 PM	54955						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	AUDNOK	3:30:00 PM	54956						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK.fx	9:30:00 AM	54957						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK.fx	11:30:00 AM	54958						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK.fx	1:30:00 PM	54959						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNOK.fx	3:30:00 PM	54960						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD	9:30:00 AM	54961						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD	11:30:00 AM	54962						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD	1:30:00 PM	54963						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD	3:30:00 PM	54964						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD.fx	9:30:00 AM	54965						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD.fx	11:30:00 AM	54966						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD.fx	1:30:00 PM	54967						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDNZD.fx	3:30:00 PM	54968						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDPLN	9:30:00 AM	54969						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDPLN	11:30:00 AM	54970						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDPLN	1:30:00 PM	54971						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDPLN	3:30:00 PM	54972						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK	9:30:00 AM	54973						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK	11:30:00 AM	54974						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK	1:30:00 PM	54975						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK	3:30:00 PM	54976						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK.fx	9:30:00 AM	54977						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK.fx	11:30:00 AM	54978						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK.fx	1:30:00 PM	54979						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSEK.fx	3:30:00 PM	54980						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD	9:30:00 AM	54981						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD	11:30:00 AM	54982						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD	1:30:00 PM	54983						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD	3:30:00 PM	54984						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD.fx	9:30:00 AM	54985						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD.fx	11:30:00 AM	54986						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD.fx	1:30:00 PM	54987						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDSGD.fx	3:30:00 PM	54988						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD	9:30:00 AM	54989						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	AUDUSD	11:30:00 AM	54990						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD	1:30:00 PM	54991						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD	3:30:00 PM	54992						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD.fx	9:30:00 AM	54993						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD.fx	11:30:00 AM	54994						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD.fx	1:30:00 PM	54995						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDUSD.fx	3:30:00 PM	54996						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDZAR	9:30:00 AM	54997						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDZAR	11:30:00 AM	54998						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDZAR	1:30:00 PM	54999						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUDZAR	3:30:00 PM	55000						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUS200.i	9:30:00 AM	55001						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUS200.i	11:30:00 AM	55002						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUS200.i	1:30:00 PM	55003						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	AUS200.i	3:30:00 PM	55004						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	BCHUSD	9:30:00 AM	55005						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	BCHUSD	11:30:00 AM	55006						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	BCHUSD	1:30:00 PM	55007						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	BCHUSD	3:30:00 PM	55008						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF	9:30:00 AM	55009						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF	11:30:00 AM	55010						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF	1:30:00 PM	55011						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF	3:30:00 PM	55012						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF.fx	9:30:00 AM	55013						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF.fx	11:30:00 AM	55014						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF.fx	1:30:00 PM	55015						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCHF.fx	3:30:00 PM	55016						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCZK	9:30:00 AM	55017						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCZK	11:30:00 AM	55018						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCZK	1:30:00 PM	55019						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADCZK	3:30:00 PM	55020						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADDDKK	9:30:00 AM	55021						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADDDKK	11:30:00 AM	55022						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADDDKK	1:30:00 PM	55023						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	CADDKK	3:30:00 PM	55024						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHKD	9:30:00 AM	55025						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHKD	11:30:00 AM	55026						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHKD	1:30:00 PM	55027						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHKD	3:30:00 PM	55028						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHUF	9:30:00 AM	55029						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHUF	11:30:00 AM	55030						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHUF	1:30:00 PM	55031						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADHUF	3:30:00 PM	55032						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY	9:30:00 AM	55033						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY	11:30:00 AM	55034						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY	1:30:00 PM	55035						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY	3:30:00 PM	55036						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY.fx	9:30:00 AM	55037						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY.fx	11:30:00 AM	55038						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY.fx	1:30:00 PM	55039						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADJPY.fx	3:30:00 PM	55040						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADMXN	9:30:00 AM	55041						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADMXN	11:30:00 AM	55042						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADMXN	1:30:00 PM	55043						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADMXN	3:30:00 PM	55044						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADNOK	9:30:00 AM	55045						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADNOK	11:30:00 AM	55046						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADNOK	1:30:00 PM	55047						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADNOK	3:30:00 PM	55048						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADPLN	9:30:00 AM	55049						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADPLN	11:30:00 AM	55050						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADPLN	1:30:00 PM	55051						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADPLN	3:30:00 PM	55052						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSEK	9:30:00 AM	55053						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSEK	11:30:00 AM	55054						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSEK	1:30:00 PM	55055						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSEK	3:30:00 PM	55056						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSGD	9:30:00 AM	55057						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	CADSGD	11:30:00 AM	55058						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSGD	1:30:00 PM	55059						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADSGD	3:30:00 PM	55060						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADZAR	9:30:00 AM	55061						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADZAR	11:30:00 AM	55062						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADZAR	1:30:00 PM	55063						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CADZAR	3:30:00 PM	55064						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFCZK	9:30:00 AM	55065						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFCZK	11:30:00 AM	55066						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFCZK	1:30:00 PM	55067						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFCZK	3:30:00 PM	55068						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK	9:30:00 AM	55069						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK	11:30:00 AM	55070						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK	1:30:00 PM	55071						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK	3:30:00 PM	55072						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK.fx	9:30:00 AM	55073						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK.fx	11:30:00 AM	55074						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK.fx	1:30:00 PM	55075						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFDKK.fx	3:30:00 PM	55076						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHKD	9:30:00 AM	55077						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHKD	11:30:00 AM	55078						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHKD	1:30:00 PM	55079						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHKD	3:30:00 PM	55080						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHUF	9:30:00 AM	55081						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHUF	11:30:00 AM	55082						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHUF	1:30:00 PM	55083						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFHUF	3:30:00 PM	55084						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY	9:30:00 AM	55085						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY	11:30:00 AM	55086						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY	1:30:00 PM	55087						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY	3:30:00 PM	55088						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY.fx	9:30:00 AM	55089						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY.fx	11:30:00 AM	55090						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFJPY.fx	1:30:00 PM	55091						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	CHFJPY.fx	3:30:00 PM	55092						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFMXN	9:30:00 AM	55093						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFMXN	11:30:00 AM	55094						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFMXN	1:30:00 PM	55095						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFMXN	3:30:00 PM	55096						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFNOK	9:30:00 AM	55097						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	CHFNOK.fx	11:30:00 AM	55102						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	CHFPLN	1:30:00 PM	55107						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFPLN	3:30:00 PM	55108						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFPLN.fx	9:30:00 AM	55109						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFPLN.fx	11:30:00 AM	55110						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFPLN.fx	1:30:00 PM	55111						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFPLN.fx	3:30:00 PM	55112						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSEK	9:30:00 AM	55113						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSEK	11:30:00 AM	55114						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSEK	1:30:00 PM	55115						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSEK	3:30:00 PM	55116						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD	9:30:00 AM	55117						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD	11:30:00 AM	55118						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD	1:30:00 PM	55119						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD	3:30:00 PM	55120						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD.fx	9:30:00 AM	55121						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD.fx	11:30:00 AM	55122						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD.fx	1:30:00 PM	55123						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFSGD.fx	3:30:00 PM	55124						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFZAR	9:30:00 AM	55125						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	CHFZAR	11:30:00 AM	55126						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFZAR	1:30:00 PM	55127						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CHFZAR	3:30:00 PM	55128						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CZKJPY	9:30:00 AM	55129						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CZKJPY	11:30:00 AM	55130						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CZKJPY	1:30:00 PM	55131						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	CZKJPY	3:30:00 PM	55132						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DAX30.i	9:30:00 AM	55133						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DAX30.i	11:30:00 AM	55134						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DAX30.i	1:30:00 PM	55135						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DAX30.i	3:30:00 PM	55136						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DJ30.i	9:30:00 AM	55137						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DJ30.i	11:30:00 AM	55138						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DJ30.i	1:30:00 PM	55139						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DJ30.i	3:30:00 PM	55140						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DKKJPY	9:30:00 AM	55141						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DKKJPY	11:30:00 AM	55142						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DKKJPY	1:30:00 PM	55143						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	DKKJPY	3:30:00 PM	55144						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD	9:30:00 AM	55145						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD	11:30:00 AM	55146						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD	1:30:00 PM	55147						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD	3:30:00 PM	55148						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD.fx	9:30:00 AM	55149						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD.fx	11:30:00 AM	55150						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD.fx	1:30:00 PM	55151						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURAUD.fx	3:30:00 PM	55152						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD	9:30:00 AM	55153						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD	11:30:00 AM	55154						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD	1:30:00 PM	55155						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD	3:30:00 PM	55156						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD.fx	9:30:00 AM	55157						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD.fx	11:30:00 AM	55158						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCAD.fx	1:30:00 PM	55159						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	EURCAD.fx	3:30:00 PM	55160						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF	9:30:00 AM	55161						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF	11:30:00 AM	55162						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF	1:30:00 PM	55163						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF	3:30:00 PM	55164						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF.fx	9:30:00 AM	55165						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF.fx	11:30:00 AM	55166						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF.fx	1:30:00 PM	55167						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCHF.fx	3:30:00 PM	55168						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCZK	9:30:00 AM	55169						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCZK	11:30:00 AM	55170						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCZK	1:30:00 PM	55171						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURCZK	3:30:00 PM	55172						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURDKK	9:30:00 AM	55173						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURDKK	11:30:00 AM	55174						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURDKK	1:30:00 PM	55175						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURDKK	3:30:00 PM	55176						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP	9:30:00 AM	55177						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP	11:30:00 AM	55178						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP	1:30:00 PM	55179						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP	3:30:00 PM	55180						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP.fx	9:30:00 AM	55181						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP.fx	11:30:00 AM	55182						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP.fx	1:30:00 PM	55183						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURGBP.fx	3:30:00 PM	55184						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD	9:30:00 AM	55185						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD	11:30:00 AM	55186						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD	1:30:00 PM	55187						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD	3:30:00 PM	55188						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD.fx	9:30:00 AM	55189						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD.fx	11:30:00 AM	55190						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD.fx	1:30:00 PM	55191						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHKD.fx	3:30:00 PM	55192						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF	9:30:00 AM	55193						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	EURHUF	11:30:00 AM	55194						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF	1:30:00 PM	55195						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF	3:30:00 PM	55196						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF.fx	9:30:00 AM	55197						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF.fx	11:30:00 AM	55198						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF.fx	1:30:00 PM	55199						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURHUF.fx	3:30:00 PM	55200						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY	9:30:00 AM	55201						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY	11:30:00 AM	55202						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY	1:30:00 PM	55203						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY	3:30:00 PM	55204						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY.fx	9:30:00 AM	55205						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY.fx	11:30:00 AM	55206						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY.fx	1:30:00 PM	55207						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURJPY.fx	3:30:00 PM	55208						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN	9:30:00 AM	55209						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN	11:30:00 AM	55210						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN	1:30:00 PM	55211						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN	3:30:00 PM	55212						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN.fx	9:30:00 AM	55213						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN.fx	11:30:00 AM	55214						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN.fx	1:30:00 PM	55215						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURMXN.fx	3:30:00 PM	55216						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK	9:30:00 AM	55217						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK	11:30:00 AM	55218						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK	1:30:00 PM	55219						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK	3:30:00 PM	55220						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK.fx	9:30:00 AM	55221						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK.fx	11:30:00 AM	55222						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK.fx	1:30:00 PM	55223						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNOK.fx	3:30:00 PM	55224						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD	9:30:00 AM	55225						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD	11:30:00 AM	55226						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD	1:30:00 PM	55227						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	EURNZD	3:30:00 PM	55228						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD.fx	9:30:00 AM	55229						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD.fx	11:30:00 AM	55230						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD.fx	1:30:00 PM	55231						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURNZD.fx	3:30:00 PM	55232						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN	9:30:00 AM	55233						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN	11:30:00 AM	55234						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN	1:30:00 PM	55235						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN	3:30:00 PM	55236						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN.fx	9:30:00 AM	55237						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN.fx	11:30:00 AM	55238						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN.fx	1:30:00 PM	55239						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURPLN.fx	3:30:00 PM	55240						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURRUB	9:30:00 AM	55241						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURRUB	11:30:00 AM	55242						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURRUB	1:30:00 PM	55243						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURRUB	3:30:00 PM	55244						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK	9:30:00 AM	55245						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK	11:30:00 AM	55246						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK	1:30:00 PM	55247						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK	3:30:00 PM	55248						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK.fx	9:30:00 AM	55249						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK.fx	11:30:00 AM	55250						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK.fx	1:30:00 PM	55251						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSEK.fx	3:30:00 PM	55252						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD	9:30:00 AM	55253						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD	11:30:00 AM	55254						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD	1:30:00 PM	55255						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD	3:30:00 PM	55256						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD.fx	9:30:00 AM	55257						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD.fx	11:30:00 AM	55258						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD.fx	1:30:00 PM	55259						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURSGD.fx	3:30:00 PM	55260						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD	9:30:00 AM	55261						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	EURUSD	11:30:00 AM	55262						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD	1:30:00 PM	55263						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD	3:30:00 PM	55264						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD.fx	9:30:00 AM	55265						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD.fx	11:30:00 AM	55266						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD.fx	1:30:00 PM	55267						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURUSD.fx	3:30:00 PM	55268						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR	9:30:00 AM	55269						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR	11:30:00 AM	55270						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR	1:30:00 PM	55271						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR	3:30:00 PM	55272						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR.fx	9:30:00 AM	55273						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR.fx	11:30:00 AM	55274						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR.fx	1:30:00 PM	55275						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	EURZAR.fx	3:30:00 PM	55276						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD	9:30:00 AM	55277						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD	11:30:00 AM	55278						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD	1:30:00 PM	55279						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD	3:30:00 PM	55280						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD.fx	9:30:00 AM	55281						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD.fx	11:30:00 AM	55282						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD.fx	1:30:00 PM	55283						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPAUD.fx	3:30:00 PM	55284						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD	9:30:00 AM	55285						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD	11:30:00 AM	55286						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD	1:30:00 PM	55287						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD	3:30:00 PM	55288						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD.fx	9:30:00 AM	55289						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD.fx	11:30:00 AM	55290						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD.fx	1:30:00 PM	55291						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCAD.fx	3:30:00 PM	55292						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF	9:30:00 AM	55293						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF	11:30:00 AM	55294						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF	1:30:00 PM	55295						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	GBPCHF	3:30:00 PM	55296						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF.fx	9:30:00 AM	55297						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF.fx	11:30:00 AM	55298						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF.fx	1:30:00 PM	55299						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCHF.fx	3:30:00 PM	55300						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCZK	9:30:00 AM	55301						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCZK	11:30:00 AM	55302						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCZK	1:30:00 PM	55303						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPCZK	3:30:00 PM	55304						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK	9:30:00 AM	55305						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK	11:30:00 AM	55306						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK	1:30:00 PM	55307						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK	3:30:00 PM	55308						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK.fx	9:30:00 AM	55309						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK.fx	11:30:00 AM	55310						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK.fx	1:30:00 PM	55311						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPDKK.fx	3:30:00 PM	55312						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHKD	9:30:00 AM	55313						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHKD	11:30:00 AM	55314						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHKD	1:30:00 PM	55315						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHKD	3:30:00 PM	55316						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHUF	9:30:00 AM	55317						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHUF	11:30:00 AM	55318						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHUF	1:30:00 PM	55319						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPHUF	3:30:00 PM	55320						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY	9:30:00 AM	55321						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY	11:30:00 AM	55322						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY	1:30:00 PM	55323						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY	3:30:00 PM	55324						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY.fx	9:30:00 AM	55325						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY.fx	11:30:00 AM	55326						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY.fx	1:30:00 PM	55327						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPJPY.fx	3:30:00 PM	55328						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPMXN	9:30:00 AM	55329						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	GBPMXN	11:30:00 AM	55330						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPMXN	1:30:00 PM	55331						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPMXN	3:30:00 PM	55332						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK	9:30:00 AM	55333						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK	11:30:00 AM	55334						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK	1:30:00 PM	55335						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK	3:30:00 PM	55336						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK.fx	9:30:00 AM	55337						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK.fx	11:30:00 AM	55338						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK.fx	1:30:00 PM	55339						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNOK.fx	3:30:00 PM	55340						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD	9:30:00 AM	55341						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD	11:30:00 AM	55342						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD	1:30:00 PM	55343						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD	3:30:00 PM	55344						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD.fx	9:30:00 AM	55345						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD.fx	11:30:00 AM	55346						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD.fx	1:30:00 PM	55347						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPNZD.fx	3:30:00 PM	55348						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN	9:30:00 AM	55349						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN	11:30:00 AM	55350						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN	1:30:00 PM	55351						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN	3:30:00 PM	55352						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN.fx	9:30:00 AM	55353						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN.fx	11:30:00 AM	55354						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN.fx	1:30:00 PM	55355						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPPLN.fx	3:30:00 PM	55356						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK	9:30:00 AM	55357						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK	11:30:00 AM	55358						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK	1:30:00 PM	55359						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK	3:30:00 PM	55360						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK.fx	9:30:00 AM	55361						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK.fx	11:30:00 AM	55362						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSEK.fx	1:30:00 PM	55363						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	GBPSEK.fx	3:30:00 PM	55364						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD	9:30:00 AM	55365						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD	11:30:00 AM	55366						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD	1:30:00 PM	55367						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD	3:30:00 PM	55368						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD.fx	9:30:00 AM	55369						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD.fx	11:30:00 AM	55370						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD.fx	1:30:00 PM	55371						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPSGD.fx	3:30:00 PM	55372						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD	9:30:00 AM	55373						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD	11:30:00 AM	55374						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD	1:30:00 PM	55375						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD	3:30:00 PM	55376						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD.fx	9:30:00 AM	55377						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD.fx	11:30:00 AM	55378						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD.fx	1:30:00 PM	55379						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPUUSD.fx	3:30:00 PM	55380						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR	9:30:00 AM	55381						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR	11:30:00 AM	55382						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR	1:30:00 PM	55383						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR	3:30:00 PM	55384						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR.fx	9:30:00 AM	55385						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR.fx	11:30:00 AM	55386						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR.fx	1:30:00 PM	55387						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GBPZAR.fx	3:30:00 PM	55388						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GOLD	9:30:00 AM	55389						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GOLD	11:30:00 AM	55390						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GOLD	1:30:00 PM	55391						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	GOLD	3:30:00 PM	55392						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY	9:30:00 AM	55393						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY	11:30:00 AM	55394						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY	1:30:00 PM	55395						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY	3:30:00 PM	55396						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY.fx	9:30:00 AM	55397						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	HKDJPY.fx	11:30:00 AM	55398						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY.fx	1:30:00 PM	55399						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HKDJPY.fx	3:30:00 PM	55400						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HUFJPY	9:30:00 AM	55401						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HUFJPY	11:30:00 AM	55402						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HUFJPY	1:30:00 PM	55403						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	HUFJPY	3:30:00 PM	55404						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JP225.i	9:30:00 AM	55405						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JP225.i	11:30:00 AM	55406						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JP225.i	1:30:00 PM	55407						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JP225.i	3:30:00 PM	55408						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	MXNJPY	9:30:00 AM	55409						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	MXNJPY	11:30:00 AM	55410						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	MXNJPY	1:30:00 PM	55411						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	MXNJPY	3:30:00 PM	55412						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NASDAQ.i	9:30:00 AM	55413						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NASDAQ.i	11:30:00 AM	55414						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NASDAQ.i	1:30:00 PM	55415						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NASDAQ.i	3:30:00 PM	55416						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY	9:30:00 AM	55417						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY	11:30:00 AM	55418						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY	1:30:00 PM	55419						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY	3:30:00 PM	55420						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY.fx	9:30:00 AM	55421						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY.fx	11:30:00 AM	55422						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY.fx	1:30:00 PM	55423						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NOKJPY.fx	3:30:00 PM	55424						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD	9:30:00 AM	55425						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD	11:30:00 AM	55426						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD	1:30:00 PM	55427						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD	3:30:00 PM	55428						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD.fx	9:30:00 AM	55429						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD.fx	11:30:00 AM	55430						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCAD.fx	1:30:00 PM	55431						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	NZDCAD.fx	3:30:00 PM	55432						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF	9:30:00 AM	55433						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF	11:30:00 AM	55434						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF	1:30:00 PM	55435						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF	3:30:00 PM	55436						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF.fx	9:30:00 AM	55437						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF.fx	11:30:00 AM	55438						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF.fx	1:30:00 PM	55439						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCHF.fx	3:30:00 PM	55440						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCZK	9:30:00 AM	55441						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCZK	11:30:00 AM	55442						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCZK	1:30:00 PM	55443						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDCZK	3:30:00 PM	55444						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDDKK	9:30:00 AM	55445						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDDKK	11:30:00 AM	55446						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDDKK	1:30:00 PM	55447						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDDKK	3:30:00 PM	55448						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHKD	9:30:00 AM	55449						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHKD	11:30:00 AM	55450						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHKD	1:30:00 PM	55451						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHKD	3:30:00 PM	55452						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHUF	9:30:00 AM	55453						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHUF	11:30:00 AM	55454						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHUF	1:30:00 PM	55455						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDHUF	3:30:00 PM	55456						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY	9:30:00 AM	55457						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY	11:30:00 AM	55458						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY	1:30:00 PM	55459						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY	3:30:00 PM	55460						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY.fx	9:30:00 AM	55461						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY.fx	11:30:00 AM	55462						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY.fx	1:30:00 PM	55463						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDJPY.fx	3:30:00 PM	55464						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDMXN	9:30:00 AM	55465						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	NZDMXN	11:30:00 AM	55466						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDMXN	1:30:00 PM	55467						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDMXN	3:30:00 PM	55468						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDNOK	9:30:00 AM	55469						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDNOK	11:30:00 AM	55470						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDNOK	1:30:00 PM	55471						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDNOK	3:30:00 PM	55472						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDPLN	9:30:00 AM	55473						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDPLN	11:30:00 AM	55474						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDPLN	1:30:00 PM	55475						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDPLN	3:30:00 PM	55476						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSEK	9:30:00 AM	55477						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSEK	11:30:00 AM	55478						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSEK	1:30:00 PM	55479						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSEK	3:30:00 PM	55480						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD	9:30:00 AM	55481						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD	11:30:00 AM	55482						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD	1:30:00 PM	55483						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD	3:30:00 PM	55484						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD.fx	9:30:00 AM	55485						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD.fx	11:30:00 AM	55486						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD.fx	1:30:00 PM	55487						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDSGD.fx	3:30:00 PM	55488						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD	9:30:00 AM	55489						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD	11:30:00 AM	55490						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD	1:30:00 PM	55491						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD	3:30:00 PM	55492						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD.fx	9:30:00 AM	55493						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD.fx	11:30:00 AM	55494						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD.fx	1:30:00 PM	55495						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDUSD.fx	3:30:00 PM	55496						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDZAR	9:30:00 AM	55497						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDZAR	11:30:00 AM	55498						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	NZDZAR	1:30:00 PM	55499						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	NZDZAR	3:30:00 PM	55500						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY	9:30:00 AM	55501						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY	11:30:00 AM	55502						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY	1:30:00 PM	55503						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY	3:30:00 PM	55504						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY.fx	9:30:00 AM	55505						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY.fx	11:30:00 AM	55506						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY.fx	1:30:00 PM	55507						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SEKJPY.fx	3:30:00 PM	55508						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SGDJPY	9:30:00 AM	55509						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SGDJPY	11:30:00 AM	55510						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SGDJPY	1:30:00 PM	55511						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SGDJPY	3:30:00 PM	55512						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SILVER	9:30:00 AM	55513						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SILVER	11:30:00 AM	55514						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SILVER	1:30:00 PM	55515						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SILVER	3:30:00 PM	55516						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SPX500.i	9:30:00 AM	55517						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SPX500.i	11:30:00 AM	55518						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SPX500.i	1:30:00 PM	55519						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	SPX500.i	3:30:00 PM	55520						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	UK100.i	9:30:00 AM	55521						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	UK100.i	11:30:00 AM	55522						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	UK100.i	1:30:00 PM	55523						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	UK100.i	3:30:00 PM	55524						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD	9:30:00 AM	55525						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD	11:30:00 AM	55526						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD	1:30:00 PM	55527						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD	3:30:00 PM	55528						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD.fx	9:30:00 AM	55529						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD.fx	11:30:00 AM	55530						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD.fx	1:30:00 PM	55531						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCAD.fx	3:30:00 PM	55532						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHF	9:30:00 AM	55533						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	USDCHE	11:30:00 AM	55534						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE	1:30:00 PM	55535						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE	3:30:00 PM	55536						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE.fx	9:30:00 AM	55537						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE.fx	11:30:00 AM	55538						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE.fx	1:30:00 PM	55539						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCHE.fx	3:30:00 PM	55540						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK	9:30:00 AM	55541						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK	11:30:00 AM	55542						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK	1:30:00 PM	55543						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK	3:30:00 PM	55544						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK.fx	9:30:00 AM	55545						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK.fx	11:30:00 AM	55546						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK.fx	1:30:00 PM	55547						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDCZK.fx	3:30:00 PM	55548						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK	9:30:00 AM	55549						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK	11:30:00 AM	55550						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK	1:30:00 PM	55551						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK	3:30:00 PM	55552						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK.fx	9:30:00 AM	55553						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK.fx	11:30:00 AM	55554						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK.fx	1:30:00 PM	55555						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDDKK.fx	3:30:00 PM	55556						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD	9:30:00 AM	55557						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD	11:30:00 AM	55558						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD	1:30:00 PM	55559						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD	3:30:00 PM	55560						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD.fx	9:30:00 AM	55561						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD.fx	11:30:00 AM	55562						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD.fx	1:30:00 PM	55563						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHKD.fx	3:30:00 PM	55564						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF	9:30:00 AM	55565						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF	11:30:00 AM	55566						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF	1:30:00 PM	55567						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	USDHUF	3:30:00 PM	55568						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF.fx	9:30:00 AM	55569						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF.fx	11:30:00 AM	55570						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF.fx	1:30:00 PM	55571						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDHUF.fx	3:30:00 PM	55572						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDINR	9:30:00 AM	55573						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDINR	11:30:00 AM	55574						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDINR	1:30:00 PM	55575						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDINR	3:30:00 PM	55576						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY	9:30:00 AM	55577						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY	11:30:00 AM	55578						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY	1:30:00 PM	55579						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY	3:30:00 PM	55580						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY.fx	9:30:00 AM	55581						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY.fx	11:30:00 AM	55582						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY.fx	1:30:00 PM	55583						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDJPY.fx	3:30:00 PM	55584						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDMXN	9:30:00 AM	55585						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDMXN	11:30:00 AM	55586						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDMXN	1:30:00 PM	55587						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDMXN	3:30:00 PM	55588						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JSDMXN.fx	9:30:00 AM	55589						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JSDMXN.fx	11:30:00 AM	55590						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JSDMXN.fx	1:30:00 PM	55591						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	JSDMXN.fx	3:30:00 PM	55592						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK	9:30:00 AM	55593						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK	11:30:00 AM	55594						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK	1:30:00 PM	55595						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK	3:30:00 PM	55596						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK.fx	9:30:00 AM	55597						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK.fx	11:30:00 AM	55598						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK.fx	1:30:00 PM	55599						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDNOK.fx	3:30:00 PM	55600						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN	9:30:00 AM	55601						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	USDPLN	11:30:00 AM	55602						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN	1:30:00 PM	55603						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN	3:30:00 PM	55604						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN.fx	9:30:00 AM	55605						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN.fx	11:30:00 AM	55606						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN.fx	1:30:00 PM	55607						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDPLN.fx	3:30:00 PM	55608						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDRUB	9:30:00 AM	55609						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDRUB	11:30:00 AM	55610						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDRUB	1:30:00 PM	55611						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDRUB	3:30:00 PM	55612						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	USDSEK	11:30:00 AM	55614						Continuous Quote	N/A	ELECTRONIC	N/A
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11/16/2019	USDSEK	3:30:00 PM	55616						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSEK.fx	9:30:00 AM	55617						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSEK.fx	11:30:00 AM	55618						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSEK.fx	1:30:00 PM	55619						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSEK.fx	3:30:00 PM	55620						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD	9:30:00 AM	55621						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD	11:30:00 AM	55622						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD	1:30:00 PM	55623						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD	3:30:00 PM	55624						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD.fx	9:30:00 AM	55625						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD.fx	11:30:00 AM	55626						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD.fx	1:30:00 PM	55627						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDSGD.fx	3:30:00 PM	55628						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR	9:30:00 AM	55629						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR	11:30:00 AM	55630						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR	1:30:00 PM	55631						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR	3:30:00 PM	55632						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR.fx	9:30:00 AM	55633						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR.fx	11:30:00 AM	55634						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	USDZAR.fx	1:30:00 PM	55635						Continuous Quote	N/A	ELECTRONIC	N/A

11/16/2019	USDZAR.fx	3:30:00 PM	55636						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	XAUUSD	9:30:00 AM	55637						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	XAUUSD	11:30:00 AM	55638						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	XAUUSD	1:30:00 PM	55639						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	XAUUSD	3:30:00 PM	55640						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY	9:30:00 AM	55641						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY	11:30:00 AM	55642						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY	1:30:00 PM	55643						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY	3:30:00 PM	55644						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY.fx	9:30:00 AM	55645						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY.fx	11:30:00 AM	55646						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY.fx	1:30:00 PM	55647						Continuous Quote	N/A	ELECTRONIC	N/A
11/16/2019	ZARJPY.fx	3:30:00 PM	55648						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#AA	3:30:00 PM	55652						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#AABA	9:30:00 AM	55653						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#AABA	11:30:00 AM	55654						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#AABA	1:30:00 PM	55655						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#AABA	3:30:00 PM	55656						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#AAPL	11:30:00 AM	55662						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#AIG	11:30:00 AM	55670						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#AIG	3:30:00 PM	55672						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BA	9:30:00 AM	55685						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BA	3:30:00 PM	55688						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BABA	9:30:00 AM	55689						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BABA	11:30:00 AM	55690						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BABA	1:30:00 PM	55691						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BABA	3:30:00 PM	55692						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BAC	11:30:00 AM	55694						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BAC	3:30:00 PM	55696						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BARC	11:30:00 AM	55698						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BHP	9:30:00 AM	55701						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BHP	3:30:00 PM	55704						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BIDU	1:30:00 PM	55707						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BIDU	3:30:00 PM	55708						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BK	9:30:00 AM	55713						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BLT	9:30:00 AM	55717						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BLT	1:30:00 PM	55719						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BLT	3:30:00 PM	55720						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BP	9:30:00 AM	55721						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	#BTA	9:30:00 AM	55725						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BTA	11:30:00 AM	55726						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	#BTA	1:30:00 PM	55727						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	AUDMXN	9:30:00 AM	56133						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	AUDMXN	1:30:00 PM	56135						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDMXN	3:30:00 PM	56136						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK	9:30:00 AM	56137						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK	11:30:00 AM	56138						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK	1:30:00 PM	56139						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK	3:30:00 PM	56140						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK.fx	9:30:00 AM	56141						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK.fx	11:30:00 AM	56142						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK.fx	1:30:00 PM	56143						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNOK.fx	3:30:00 PM	56144						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD	9:30:00 AM	56145						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	AUDNZD	11:30:00 AM	56146						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD	1:30:00 PM	56147						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD	3:30:00 PM	56148						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD.fx	9:30:00 AM	56149						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD.fx	11:30:00 AM	56150						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD.fx	1:30:00 PM	56151						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDNZD.fx	3:30:00 PM	56152						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDPLN	9:30:00 AM	56153						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDPLN	11:30:00 AM	56154						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDPLN	1:30:00 PM	56155						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDPLN	3:30:00 PM	56156						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK	9:30:00 AM	56157						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK	11:30:00 AM	56158						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK	1:30:00 PM	56159						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK	3:30:00 PM	56160						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK.fx	9:30:00 AM	56161						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK.fx	11:30:00 AM	56162						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK.fx	1:30:00 PM	56163						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSEK.fx	3:30:00 PM	56164						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD	9:30:00 AM	56165						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD	11:30:00 AM	56166						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD	1:30:00 PM	56167						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD	3:30:00 PM	56168						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD.fx	9:30:00 AM	56169						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD.fx	11:30:00 AM	56170						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD.fx	1:30:00 PM	56171						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDSGD.fx	3:30:00 PM	56172						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD	9:30:00 AM	56173						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD	11:30:00 AM	56174						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD	1:30:00 PM	56175						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD	3:30:00 PM	56176						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD.fx	9:30:00 AM	56177						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD.fx	11:30:00 AM	56178						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDUSD.fx	1:30:00 PM	56179						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	AUDUSD.fx	3:30:00 PM	56180						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDZAR	9:30:00 AM	56181						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDZAR	11:30:00 AM	56182						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDZAR	1:30:00 PM	56183						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUDZAR	3:30:00 PM	56184						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUS200.i	9:30:00 AM	56185						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUS200.i	11:30:00 AM	56186						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUS200.i	1:30:00 PM	56187						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	AUS200.i	3:30:00 PM	56188						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	BCHUSD	9:30:00 AM	56189						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	BCHUSD	11:30:00 AM	56190						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	BCHUSD	1:30:00 PM	56191						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	BCHUSD	3:30:00 PM	56192						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF	9:30:00 AM	56193						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF	11:30:00 AM	56194						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF	1:30:00 PM	56195						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF	3:30:00 PM	56196						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF.fx	9:30:00 AM	56197						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF.fx	11:30:00 AM	56198						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF.fx	1:30:00 PM	56199						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCHF.fx	3:30:00 PM	56200						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCZK	9:30:00 AM	56201						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCZK	11:30:00 AM	56202						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCZK	1:30:00 PM	56203						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADCZK	3:30:00 PM	56204						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADDDKK	9:30:00 AM	56205						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADDDKK	11:30:00 AM	56206						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADDDKK	1:30:00 PM	56207						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADDDKK	3:30:00 PM	56208						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHKD	9:30:00 AM	56209						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHKD	11:30:00 AM	56210						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHKD	1:30:00 PM	56211						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHKD	3:30:00 PM	56212						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHUF	9:30:00 AM	56213						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	CADHUF	11:30:00 AM	56214						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHUF	1:30:00 PM	56215						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADHUF	3:30:00 PM	56216						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY	9:30:00 AM	56217						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY	11:30:00 AM	56218						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY	1:30:00 PM	56219						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY	3:30:00 PM	56220						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY.fx	9:30:00 AM	56221						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY.fx	11:30:00 AM	56222						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY.fx	1:30:00 PM	56223						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADJPY.fx	3:30:00 PM	56224						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADMXN	9:30:00 AM	56225						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADMXN	11:30:00 AM	56226						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADMXN	1:30:00 PM	56227						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADMXN	3:30:00 PM	56228						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADNOK	9:30:00 AM	56229						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADNOK	11:30:00 AM	56230						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADNOK	1:30:00 PM	56231						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADNOK	3:30:00 PM	56232						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADPLN	9:30:00 AM	56233						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADPLN	11:30:00 AM	56234						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADPLN	1:30:00 PM	56235						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADPLN	3:30:00 PM	56236						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSEK	9:30:00 AM	56237						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSEK	11:30:00 AM	56238						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSEK	1:30:00 PM	56239						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSEK	3:30:00 PM	56240						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSGD	9:30:00 AM	56241						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSGD	11:30:00 AM	56242						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSGD	1:30:00 PM	56243						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADSGD	3:30:00 PM	56244						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADZAR	9:30:00 AM	56245						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADZAR	11:30:00 AM	56246						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CADZAR	1:30:00 PM	56247						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	CADZAR	3:30:00 PM	56248						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFCZK	9:30:00 AM	56249						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFCZK	11:30:00 AM	56250						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFCZK	1:30:00 PM	56251						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFCZK	3:30:00 PM	56252						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK	9:30:00 AM	56253						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK	11:30:00 AM	56254						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK	1:30:00 PM	56255						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK	3:30:00 PM	56256						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK.fx	9:30:00 AM	56257						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK.fx	11:30:00 AM	56258						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK.fx	1:30:00 PM	56259						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFDKK.fx	3:30:00 PM	56260						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHKD	9:30:00 AM	56261						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHKD	11:30:00 AM	56262						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHKD	1:30:00 PM	56263						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHKD	3:30:00 PM	56264						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHUF	9:30:00 AM	56265						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHUF	11:30:00 AM	56266						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHUF	1:30:00 PM	56267						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFHUF	3:30:00 PM	56268						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY	9:30:00 AM	56269						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY	11:30:00 AM	56270						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY	1:30:00 PM	56271						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY	3:30:00 PM	56272						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY.fx	9:30:00 AM	56273						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY.fx	11:30:00 AM	56274						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY.fx	1:30:00 PM	56275						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFJPY.fx	3:30:00 PM	56276						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFMXN	9:30:00 AM	56277						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFMXN	11:30:00 AM	56278						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFMXN	1:30:00 PM	56279						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFMXN	3:30:00 PM	56280						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFNOK	9:30:00 AM	56281						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	CHFNOK	11:30:00 AM	56282						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	CHFNOK	3:30:00 PM	56284						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFNOK.fx	9:30:00 AM	56285						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFNOK.fx	11:30:00 AM	56286						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFNOK.fx	1:30:00 PM	56287						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFNOK.fx	3:30:00 PM	56288						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN	9:30:00 AM	56289						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN	11:30:00 AM	56290						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	CHFPLN	3:30:00 PM	56292						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN.fx	9:30:00 AM	56293						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN.fx	11:30:00 AM	56294						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN.fx	1:30:00 PM	56295						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFPLN.fx	3:30:00 PM	56296						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSEK	9:30:00 AM	56297						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSEK	11:30:00 AM	56298						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSEK	1:30:00 PM	56299						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSEK	3:30:00 PM	56300						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD	9:30:00 AM	56301						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD	11:30:00 AM	56302						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD	1:30:00 PM	56303						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD	3:30:00 PM	56304						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD.fx	9:30:00 AM	56305						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD.fx	11:30:00 AM	56306						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD.fx	1:30:00 PM	56307						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFSGD.fx	3:30:00 PM	56308						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFZAR	9:30:00 AM	56309						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFZAR	11:30:00 AM	56310						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFZAR	1:30:00 PM	56311						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CHFZAR	3:30:00 PM	56312						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CZKJPY	9:30:00 AM	56313						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CZKJPY	11:30:00 AM	56314						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	CZKJPY	1:30:00 PM	56315						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	CZKJPY	3:30:00 PM	56316						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DAX30.i	9:30:00 AM	56317						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DAX30.i	11:30:00 AM	56318						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DAX30.i	1:30:00 PM	56319						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	DJ30.i	9:30:00 AM	56321						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DJ30.i	11:30:00 AM	56322						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	DJ30.i	3:30:00 PM	56324						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DKKJPY	9:30:00 AM	56325						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	DKKJPY	11:30:00 AM	56326						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	DKKJPY	3:30:00 PM	56328						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD	9:30:00 AM	56329						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD	11:30:00 AM	56330						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD	1:30:00 PM	56331						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD	3:30:00 PM	56332						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD.fx	9:30:00 AM	56333						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD.fx	11:30:00 AM	56334						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD.fx	1:30:00 PM	56335						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURAUD.fx	3:30:00 PM	56336						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD	9:30:00 AM	56337						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD	11:30:00 AM	56338						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD	1:30:00 PM	56339						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD	3:30:00 PM	56340						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD.fx	9:30:00 AM	56341						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD.fx	11:30:00 AM	56342						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD.fx	1:30:00 PM	56343						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCAD.fx	3:30:00 PM	56344						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF	9:30:00 AM	56345						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF	11:30:00 AM	56346						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF	1:30:00 PM	56347						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF	3:30:00 PM	56348						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF.fx	9:30:00 AM	56349						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	EURCHF.fx	11:30:00 AM	56350						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF.fx	1:30:00 PM	56351						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCHF.fx	3:30:00 PM	56352						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCZK	9:30:00 AM	56353						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCZK	11:30:00 AM	56354						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCZK	1:30:00 PM	56355						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURCZK	3:30:00 PM	56356						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURDKK	9:30:00 AM	56357						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURDKK	11:30:00 AM	56358						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURDKK	1:30:00 PM	56359						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURDKK	3:30:00 PM	56360						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP	9:30:00 AM	56361						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP	11:30:00 AM	56362						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP	1:30:00 PM	56363						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP	3:30:00 PM	56364						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP.fx	9:30:00 AM	56365						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP.fx	11:30:00 AM	56366						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP.fx	1:30:00 PM	56367						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURGBP.fx	3:30:00 PM	56368						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD	9:30:00 AM	56369						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD	11:30:00 AM	56370						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD	1:30:00 PM	56371						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD	3:30:00 PM	56372						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD.fx	9:30:00 AM	56373						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD.fx	11:30:00 AM	56374						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD.fx	1:30:00 PM	56375						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHKD.fx	3:30:00 PM	56376						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF	9:30:00 AM	56377						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF	11:30:00 AM	56378						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF	1:30:00 PM	56379						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF	3:30:00 PM	56380						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF.fx	9:30:00 AM	56381						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF.fx	11:30:00 AM	56382						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURHUF.fx	1:30:00 PM	56383						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	EURHUF.fx	3:30:00 PM	56384						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY	9:30:00 AM	56385						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY	11:30:00 AM	56386						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY	1:30:00 PM	56387						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY	3:30:00 PM	56388						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY.fx	9:30:00 AM	56389						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY.fx	11:30:00 AM	56390						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY.fx	1:30:00 PM	56391						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURJPY.fx	3:30:00 PM	56392						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN	9:30:00 AM	56393						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN	11:30:00 AM	56394						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN	1:30:00 PM	56395						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN	3:30:00 PM	56396						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN.fx	9:30:00 AM	56397						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN.fx	11:30:00 AM	56398						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN.fx	1:30:00 PM	56399						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURMXN.fx	3:30:00 PM	56400						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK	9:30:00 AM	56401						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK	11:30:00 AM	56402						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK	1:30:00 PM	56403						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK	3:30:00 PM	56404						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK.fx	9:30:00 AM	56405						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK.fx	11:30:00 AM	56406						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK.fx	1:30:00 PM	56407						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNOK.fx	3:30:00 PM	56408						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD	9:30:00 AM	56409						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD	11:30:00 AM	56410						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD	1:30:00 PM	56411						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD	3:30:00 PM	56412						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD.fx	9:30:00 AM	56413						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD.fx	11:30:00 AM	56414						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD.fx	1:30:00 PM	56415						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURNZD.fx	3:30:00 PM	56416						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN	9:30:00 AM	56417						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	EURPLN	11:30:00 AM	56418						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN	1:30:00 PM	56419						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN	3:30:00 PM	56420						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN.fx	9:30:00 AM	56421						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN.fx	11:30:00 AM	56422						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN.fx	1:30:00 PM	56423						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURPLN.fx	3:30:00 PM	56424						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURRUB	9:30:00 AM	56425						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURRUB	11:30:00 AM	56426						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURRUB	1:30:00 PM	56427						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURRUB	3:30:00 PM	56428						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK	9:30:00 AM	56429						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK	11:30:00 AM	56430						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK	1:30:00 PM	56431						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK	3:30:00 PM	56432						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK.fx	9:30:00 AM	56433						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK.fx	11:30:00 AM	56434						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK.fx	1:30:00 PM	56435						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSEK.fx	3:30:00 PM	56436						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD	9:30:00 AM	56437						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD	11:30:00 AM	56438						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD	1:30:00 PM	56439						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD	3:30:00 PM	56440						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD.fx	9:30:00 AM	56441						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD.fx	11:30:00 AM	56442						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD.fx	1:30:00 PM	56443						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURSGD.fx	3:30:00 PM	56444						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD	9:30:00 AM	56445						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD	11:30:00 AM	56446						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD	1:30:00 PM	56447						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD	3:30:00 PM	56448						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD.fx	9:30:00 AM	56449						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD.fx	11:30:00 AM	56450						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURUSD.fx	1:30:00 PM	56451						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	EURUSD.fx	3:30:00 PM	56452						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR	9:30:00 AM	56453						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR	11:30:00 AM	56454						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR	1:30:00 PM	56455						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR	3:30:00 PM	56456						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR.fx	9:30:00 AM	56457						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR.fx	11:30:00 AM	56458						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR.fx	1:30:00 PM	56459						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	EURZAR.fx	3:30:00 PM	56460						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD	9:30:00 AM	56461						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD	11:30:00 AM	56462						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD	1:30:00 PM	56463						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD	3:30:00 PM	56464						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD.fx	9:30:00 AM	56465						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD.fx	11:30:00 AM	56466						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD.fx	1:30:00 PM	56467						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPAUD.fx	3:30:00 PM	56468						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD	9:30:00 AM	56469						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD	11:30:00 AM	56470						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD	1:30:00 PM	56471						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD	3:30:00 PM	56472						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD.fx	9:30:00 AM	56473						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD.fx	11:30:00 AM	56474						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD.fx	1:30:00 PM	56475						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCAD.fx	3:30:00 PM	56476						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF	9:30:00 AM	56477						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF	11:30:00 AM	56478						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF	1:30:00 PM	56479						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF	3:30:00 PM	56480						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF.fx	9:30:00 AM	56481						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF.fx	11:30:00 AM	56482						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF.fx	1:30:00 PM	56483						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCHF.fx	3:30:00 PM	56484						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCZK	9:30:00 AM	56485						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	GBPCZK	11:30:00 AM	56486						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCZK	1:30:00 PM	56487						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPCZK	3:30:00 PM	56488						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK	9:30:00 AM	56489						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK	11:30:00 AM	56490						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK	1:30:00 PM	56491						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK	3:30:00 PM	56492						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK.fx	9:30:00 AM	56493						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK.fx	11:30:00 AM	56494						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK.fx	1:30:00 PM	56495						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPDKK.fx	3:30:00 PM	56496						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHKD	9:30:00 AM	56497						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHKD	11:30:00 AM	56498						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHKD	1:30:00 PM	56499						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHKD	3:30:00 PM	56500						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHUF	9:30:00 AM	56501						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHUF	11:30:00 AM	56502						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHUF	1:30:00 PM	56503						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPHUF	3:30:00 PM	56504						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY	9:30:00 AM	56505						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY	11:30:00 AM	56506						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY	1:30:00 PM	56507						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY	3:30:00 PM	56508						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY.fx	9:30:00 AM	56509						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY.fx	11:30:00 AM	56510						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY.fx	1:30:00 PM	56511						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPJPY.fx	3:30:00 PM	56512						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPMXN	9:30:00 AM	56513						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPMXN	11:30:00 AM	56514						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPMXN	1:30:00 PM	56515						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPMXN	3:30:00 PM	56516						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK	9:30:00 AM	56517						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK	11:30:00 AM	56518						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK	1:30:00 PM	56519						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	GBPNOK	3:30:00 PM	56520						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK.fx	9:30:00 AM	56521						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK.fx	11:30:00 AM	56522						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK.fx	1:30:00 PM	56523						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNOK.fx	3:30:00 PM	56524						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD	9:30:00 AM	56525						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD	11:30:00 AM	56526						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD	1:30:00 PM	56527						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD	3:30:00 PM	56528						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD.fx	9:30:00 AM	56529						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD.fx	11:30:00 AM	56530						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD.fx	1:30:00 PM	56531						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPNZD.fx	3:30:00 PM	56532						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN	9:30:00 AM	56533						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN	11:30:00 AM	56534						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN	1:30:00 PM	56535						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN	3:30:00 PM	56536						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN.fx	9:30:00 AM	56537						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN.fx	11:30:00 AM	56538						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN.fx	1:30:00 PM	56539						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPPLN.fx	3:30:00 PM	56540						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK	9:30:00 AM	56541						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK	11:30:00 AM	56542						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK	1:30:00 PM	56543						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK	3:30:00 PM	56544						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK.fx	9:30:00 AM	56545						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK.fx	11:30:00 AM	56546						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK.fx	1:30:00 PM	56547						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSEK.fx	3:30:00 PM	56548						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD	9:30:00 AM	56549						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD	11:30:00 AM	56550						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD	1:30:00 PM	56551						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD	3:30:00 PM	56552						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD.fx	9:30:00 AM	56553						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	GBPSGD.fx	11:30:00 AM	56554						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD.fx	1:30:00 PM	56555						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPSGD.fx	3:30:00 PM	56556						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD	9:30:00 AM	56557						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD	11:30:00 AM	56558						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD	1:30:00 PM	56559						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD	3:30:00 PM	56560						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD.fx	9:30:00 AM	56561						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD.fx	11:30:00 AM	56562						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD.fx	1:30:00 PM	56563						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPUSD.fx	3:30:00 PM	56564						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR	9:30:00 AM	56565						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR	11:30:00 AM	56566						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR	1:30:00 PM	56567						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR	3:30:00 PM	56568						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR.fx	9:30:00 AM	56569						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR.fx	11:30:00 AM	56570						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR.fx	1:30:00 PM	56571						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GBPZAR.fx	3:30:00 PM	56572						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GOLD	9:30:00 AM	56573						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GOLD	11:30:00 AM	56574						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GOLD	1:30:00 PM	56575						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	GOLD	3:30:00 PM	56576						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY	9:30:00 AM	56577						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY	11:30:00 AM	56578						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY	1:30:00 PM	56579						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY	3:30:00 PM	56580						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY.fx	9:30:00 AM	56581						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY.fx	11:30:00 AM	56582						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY.fx	1:30:00 PM	56583						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HKDJPY.fx	3:30:00 PM	56584						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HUFJPY	9:30:00 AM	56585						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HUFJPY	11:30:00 AM	56586						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	HUFJPY	1:30:00 PM	56587						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	HUFJPY	3:30:00 PM	56588						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	JP225.i	9:30:00 AM	56589						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	JP225.i	11:30:00 AM	56590						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	JP225.i	1:30:00 PM	56591						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	JP225.i	3:30:00 PM	56592						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	MXNJPY	9:30:00 AM	56593						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	MXNJPY	11:30:00 AM	56594						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	MXNJPY	1:30:00 PM	56595						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	MXNJPY	3:30:00 PM	56596						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NASDAQ.i	9:30:00 AM	56597						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NASDAQ.i	11:30:00 AM	56598						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NASDAQ.i	1:30:00 PM	56599						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NASDAQ.i	3:30:00 PM	56600						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY	9:30:00 AM	56601						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY	11:30:00 AM	56602						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY	1:30:00 PM	56603						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY	3:30:00 PM	56604						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY.fx	9:30:00 AM	56605						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY.fx	11:30:00 AM	56606						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY.fx	1:30:00 PM	56607						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NOKJPY.fx	3:30:00 PM	56608						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD	9:30:00 AM	56609						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD	11:30:00 AM	56610						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD	1:30:00 PM	56611						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD	3:30:00 PM	56612						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD.fx	9:30:00 AM	56613						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD.fx	11:30:00 AM	56614						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD.fx	1:30:00 PM	56615						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCAD.fx	3:30:00 PM	56616						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF	9:30:00 AM	56617						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF	11:30:00 AM	56618						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF	1:30:00 PM	56619						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF	3:30:00 PM	56620						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF.fx	9:30:00 AM	56621						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	NZDCHF.fx	11:30:00 AM	56622						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF.fx	1:30:00 PM	56623						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCHF.fx	3:30:00 PM	56624						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCZK	9:30:00 AM	56625						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCZK	11:30:00 AM	56626						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCZK	1:30:00 PM	56627						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDCZK	3:30:00 PM	56628						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDDKK	9:30:00 AM	56629						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDDKK	11:30:00 AM	56630						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDDKK	1:30:00 PM	56631						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDDKK	3:30:00 PM	56632						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHKD	9:30:00 AM	56633						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHKD	11:30:00 AM	56634						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHKD	1:30:00 PM	56635						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHKD	3:30:00 PM	56636						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHUF	9:30:00 AM	56637						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHUF	11:30:00 AM	56638						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHUF	1:30:00 PM	56639						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDHUF	3:30:00 PM	56640						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY	9:30:00 AM	56641						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY	11:30:00 AM	56642						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY	1:30:00 PM	56643						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY	3:30:00 PM	56644						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY.fx	9:30:00 AM	56645						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY.fx	11:30:00 AM	56646						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY.fx	1:30:00 PM	56647						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDJPY.fx	3:30:00 PM	56648						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDMXN	9:30:00 AM	56649						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDMXN	11:30:00 AM	56650						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDMXN	1:30:00 PM	56651						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDMXN	3:30:00 PM	56652						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDNOK	9:30:00 AM	56653						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDNOK	11:30:00 AM	56654						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDNOK	1:30:00 PM	56655						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	NZDNOK	3:30:00 PM	56656						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDPLN	9:30:00 AM	56657						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDPLN	11:30:00 AM	56658						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDPLN	1:30:00 PM	56659						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDPLN	3:30:00 PM	56660						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSEK	9:30:00 AM	56661						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSEK	11:30:00 AM	56662						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSEK	1:30:00 PM	56663						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSEK	3:30:00 PM	56664						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD	9:30:00 AM	56665						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD	11:30:00 AM	56666						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD	1:30:00 PM	56667						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD	3:30:00 PM	56668						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD.fx	9:30:00 AM	56669						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD.fx	11:30:00 AM	56670						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD.fx	1:30:00 PM	56671						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDSGD.fx	3:30:00 PM	56672						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD	9:30:00 AM	56673						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD	11:30:00 AM	56674						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD	1:30:00 PM	56675						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD	3:30:00 PM	56676						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD.fx	9:30:00 AM	56677						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD.fx	11:30:00 AM	56678						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD.fx	1:30:00 PM	56679						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDUSD.fx	3:30:00 PM	56680						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDZAR	9:30:00 AM	56681						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDZAR	11:30:00 AM	56682						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDZAR	1:30:00 PM	56683						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	NZDZAR	3:30:00 PM	56684						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY	9:30:00 AM	56685						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY	11:30:00 AM	56686						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY	1:30:00 PM	56687						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY	3:30:00 PM	56688						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY.fx	9:30:00 AM	56689						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	SEKJPY.fx	11:30:00 AM	56690						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY.fx	1:30:00 PM	56691						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SEKJPY.fx	3:30:00 PM	56692						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SGDJPY	9:30:00 AM	56693						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SGDJPY	11:30:00 AM	56694						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SGDJPY	1:30:00 PM	56695						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SGDJPY	3:30:00 PM	56696						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SILVER	9:30:00 AM	56697						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SILVER	11:30:00 AM	56698						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SILVER	1:30:00 PM	56699						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SILVER	3:30:00 PM	56700						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SPX500.i	9:30:00 AM	56701						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SPX500.i	11:30:00 AM	56702						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SPX500.i	1:30:00 PM	56703						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	SPX500.i	3:30:00 PM	56704						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	UK100.i	9:30:00 AM	56705						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	UK100.i	11:30:00 AM	56706						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	UK100.i	1:30:00 PM	56707						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	UK100.i	3:30:00 PM	56708						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD	9:30:00 AM	56709						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD	11:30:00 AM	56710						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD	1:30:00 PM	56711						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD	3:30:00 PM	56712						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD.fx	9:30:00 AM	56713						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD.fx	11:30:00 AM	56714						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD.fx	1:30:00 PM	56715						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCAD.fx	3:30:00 PM	56716						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF	9:30:00 AM	56717						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF	11:30:00 AM	56718						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF	1:30:00 PM	56719						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF	3:30:00 PM	56720						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF.fx	9:30:00 AM	56721						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF.fx	11:30:00 AM	56722						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCHF.fx	1:30:00 PM	56723						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	USDCHF.fx	3:30:00 PM	56724						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK	9:30:00 AM	56725						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK	11:30:00 AM	56726						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK	1:30:00 PM	56727						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK	3:30:00 PM	56728						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK.fx	9:30:00 AM	56729						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK.fx	11:30:00 AM	56730						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK.fx	1:30:00 PM	56731						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDCZK.fx	3:30:00 PM	56732						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK	9:30:00 AM	56733						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK	11:30:00 AM	56734						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK	1:30:00 PM	56735						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK	3:30:00 PM	56736						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK.fx	9:30:00 AM	56737						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK.fx	11:30:00 AM	56738						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK.fx	1:30:00 PM	56739						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDDKK.fx	3:30:00 PM	56740						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD	9:30:00 AM	56741						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD	11:30:00 AM	56742						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD	1:30:00 PM	56743						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD	3:30:00 PM	56744						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD.fx	9:30:00 AM	56745						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD.fx	11:30:00 AM	56746						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD.fx	1:30:00 PM	56747						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHKD.fx	3:30:00 PM	56748						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF	9:30:00 AM	56749						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF	11:30:00 AM	56750						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF	1:30:00 PM	56751						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF	3:30:00 PM	56752						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF.fx	9:30:00 AM	56753						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF.fx	11:30:00 AM	56754						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF.fx	1:30:00 PM	56755						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDHUF.fx	3:30:00 PM	56756						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDINR	9:30:00 AM	56757						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	USDINR	11:30:00 AM	56758						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDINR	1:30:00 PM	56759						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDINR	3:30:00 PM	56760						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY	9:30:00 AM	56761						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY	11:30:00 AM	56762						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY	1:30:00 PM	56763						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY	3:30:00 PM	56764						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY.fx	9:30:00 AM	56765						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY.fx	11:30:00 AM	56766						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY.fx	1:30:00 PM	56767						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDJPY.fx	3:30:00 PM	56768						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN	9:30:00 AM	56769						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN	11:30:00 AM	56770						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN	1:30:00 PM	56771						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN	3:30:00 PM	56772						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN.fx	9:30:00 AM	56773						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN.fx	11:30:00 AM	56774						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN.fx	1:30:00 PM	56775						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDMXN.fx	3:30:00 PM	56776						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK	9:30:00 AM	56777						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK	11:30:00 AM	56778						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK	1:30:00 PM	56779						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK	3:30:00 PM	56780						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK.fx	9:30:00 AM	56781						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK.fx	11:30:00 AM	56782						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK.fx	1:30:00 PM	56783						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDNOK.fx	3:30:00 PM	56784						Continuous Quote	N/A	ELECTRONIC	N/A
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11/17/2019	USDPLN	1:30:00 PM	56787						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDPLN	3:30:00 PM	56788						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDPLN.fx	9:30:00 AM	56789						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDPLN.fx	11:30:00 AM	56790						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDPLN.fx	1:30:00 PM	56791						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	USDPLN.fx	3:30:00 PM	56792						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDRUB	9:30:00 AM	56793						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDRUB	11:30:00 AM	56794						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDRUB	1:30:00 PM	56795						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDRUB	3:30:00 PM	56796						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK	9:30:00 AM	56797						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK	11:30:00 AM	56798						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK	1:30:00 PM	56799						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK	3:30:00 PM	56800						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK.fx	9:30:00 AM	56801						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK.fx	11:30:00 AM	56802						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK.fx	1:30:00 PM	56803						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSEK.fx	3:30:00 PM	56804						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD	9:30:00 AM	56805						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD	11:30:00 AM	56806						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD	1:30:00 PM	56807						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD	3:30:00 PM	56808						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD.fx	9:30:00 AM	56809						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD.fx	11:30:00 AM	56810						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD.fx	1:30:00 PM	56811						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDSGD.fx	3:30:00 PM	56812						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR	9:30:00 AM	56813						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR	11:30:00 AM	56814						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR	1:30:00 PM	56815						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR	3:30:00 PM	56816						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR.fx	9:30:00 AM	56817						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR.fx	11:30:00 AM	56818						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR.fx	1:30:00 PM	56819						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	USDZAR.fx	3:30:00 PM	56820						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	XAUUSD	9:30:00 AM	56821						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	XAUUSD	11:30:00 AM	56822						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	XAUUSD	1:30:00 PM	56823						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	XAUUSD	3:30:00 PM	56824						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY	9:30:00 AM	56825						Continuous Quote	N/A	ELECTRONIC	N/A

11/17/2019	ZARJPY	11:30:00 AM	56826						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY	1:30:00 PM	56827						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY	3:30:00 PM	56828						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY.fx	9:30:00 AM	56829						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY.fx	11:30:00 AM	56830						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY.fx	1:30:00 PM	56831						Continuous Quote	N/A	ELECTRONIC	N/A
11/17/2019	ZARJPY.fx	3:30:00 PM	56832						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AA	9:30:00 AM	56833						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AA	11:30:00 AM	56834						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AA	1:30:00 PM	56835						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AA	3:30:00 PM	56836						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AABA	9:30:00 AM	56837						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#AABA	3:30:00 PM	56840						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AAL	9:30:00 AM	56841						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AAL	11:30:00 AM	56842						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AAL	1:30:00 PM	56843						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#AAPL	1:30:00 PM	56847						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AAPL	3:30:00 PM	56848						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#ADBE	9:30:00 AM	56849						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#ADBE	1:30:00 PM	56851						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#ADBE	3:30:00 PM	56852						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AIG	9:30:00 AM	56853						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AIG	11:30:00 AM	56854						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#AIG	3:30:00 PM	56856						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AMD	9:30:00 AM	56857						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AMD	11:30:00 AM	56858						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AMD	1:30:00 PM	56859						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	#AMD	3:30:00 PM	56860						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AMZN	9:30:00 AM	56861						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AMZN	11:30:00 AM	56862						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#AXP	9:30:00 AM	56865						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#AXP	11:30:00 AM	56866						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#AXP	3:30:00 PM	56868						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BA	9:30:00 AM	56869						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#BA	1:30:00 PM	56871						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BA	3:30:00 PM	56872						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#BIDU	3:30:00 PM	56892						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#Bitcoin	3:30:00 PM	56896						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BK	9:30:00 AM	56897						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BK	11:30:00 AM	56898						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#BK	3:30:00 PM	56900						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BLT	9:30:00 AM	56901						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BLT	11:30:00 AM	56902						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#BLT	1:30:00 PM	56903						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#BP	9:30:00 AM	56905						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#C	9:30:00 AM	56913						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#C	11:30:00 AM	56914						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#C	1:30:00 PM	56915						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#C	3:30:00 PM	56916						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#NOK	3:30:00 PM	57136						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#PEP	1:30:00 PM	57155						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#S	3:30:00 PM	57184						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#SBUX	3:30:00 PM	57188						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#SPY	3:30:00 PM	57196						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#T	9:30:00 AM	57197						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#T	11:30:00 AM	57198						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#TEVA	3:30:00 PM	57204						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#UL	3:30:00 PM	57232						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#UPS	3:30:00 PM	57236						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#UTX	11:30:00 AM	57238						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#UTX	3:30:00 PM	57240						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#V	9:30:00 AM	57241						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#V	11:30:00 AM	57242						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#V	3:30:00 PM	57244						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	#WFC	3:30:00 PM	57260						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	#WMT	9:30:00 AM	57261						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDCZK	9:30:00 AM	57293						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDHUF	11:30:00 AM	57306						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDHUF	1:30:00 PM	57307						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDHUF	3:30:00 PM	57308						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDJPY	9:30:00 AM	57309						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDJPY	3:30:00 PM	57312						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDMXN	1:30:00 PM	57319						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDMXN	3:30:00 PM	57320						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK	9:30:00 AM	57321						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK	11:30:00 AM	57322						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK	1:30:00 PM	57323						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK	3:30:00 PM	57324						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK.fx	9:30:00 AM	57325						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK.fx	11:30:00 AM	57326						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK.fx	1:30:00 PM	57327						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNOK.fx	3:30:00 PM	57328						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD	9:30:00 AM	57329						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD	11:30:00 AM	57330						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD	1:30:00 PM	57331						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD	3:30:00 PM	57332						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD.fx	9:30:00 AM	57333						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD.fx	11:30:00 AM	57334						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDNZD.fx	1:30:00 PM	57335						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	AUDNZD.fx	3:30:00 PM	57336						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDPLN	9:30:00 AM	57337						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDPLN	11:30:00 AM	57338						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDPLN	1:30:00 PM	57339						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDPLN	3:30:00 PM	57340						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSEK	9:30:00 AM	57341						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSEK	11:30:00 AM	57342						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSEK	1:30:00 PM	57343						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSEK	3:30:00 PM	57344						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSEK.fx	9:30:00 AM	57345						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDSEK.fx	3:30:00 PM	57348						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD	9:30:00 AM	57349						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD	11:30:00 AM	57350						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD	1:30:00 PM	57351						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD	3:30:00 PM	57352						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD.fx	9:30:00 AM	57353						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD.fx	11:30:00 AM	57354						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD.fx	1:30:00 PM	57355						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDSGD.fx	3:30:00 PM	57356						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDUSD	1:30:00 PM	57359						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDUSD	3:30:00 PM	57360						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	AUDUSD.fx	11:30:00 AM	57362						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDUSD.fx	1:30:00 PM	57363						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDUSD.fx	3:30:00 PM	57364						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDZAR	9:30:00 AM	57365						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDZAR	11:30:00 AM	57366						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDZAR	1:30:00 PM	57367						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUDZAR	3:30:00 PM	57368						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUS200.i	9:30:00 AM	57369						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	AUS200.i	11:30:00 AM	57370						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUS200.i	1:30:00 PM	57371						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	AUS200.i	3:30:00 PM	57372						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	BCHUSD	9:30:00 AM	57373						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	BCHUSD	11:30:00 AM	57374						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	BCHUSD	1:30:00 PM	57375						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	BCHUSD	3:30:00 PM	57376						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCHF	9:30:00 AM	57377						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCHF	11:30:00 AM	57378						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADCHF	3:30:00 PM	57380						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADCHF.fx	11:30:00 AM	57382						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCHF.fx	1:30:00 PM	57383						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCHF.fx	3:30:00 PM	57384						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADCZK	11:30:00 AM	57386						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCZK	1:30:00 PM	57387						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADCZK	3:30:00 PM	57388						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADDDKK	11:30:00 AM	57390						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADDDKK	3:30:00 PM	57392						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHKD	9:30:00 AM	57393						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHKD	11:30:00 AM	57394						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHKD	1:30:00 PM	57395						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHKD	3:30:00 PM	57396						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHUF	9:30:00 AM	57397						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHUF	11:30:00 AM	57398						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHUF	1:30:00 PM	57399						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADHUF	3:30:00 PM	57400						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY	9:30:00 AM	57401						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY	11:30:00 AM	57402						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY	1:30:00 PM	57403						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	CADJPY	3:30:00 PM	57404						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY.fx	9:30:00 AM	57405						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY.fx	11:30:00 AM	57406						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY.fx	1:30:00 PM	57407						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADJPY.fx	3:30:00 PM	57408						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADMXN	11:30:00 AM	57410						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADMXN	1:30:00 PM	57411						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADMXN	3:30:00 PM	57412						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADNOK	9:30:00 AM	57413						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADNOK	11:30:00 AM	57414						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADNOK	1:30:00 PM	57415						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADNOK	3:30:00 PM	57416						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADPLN	9:30:00 AM	57417						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADPLN	11:30:00 AM	57418						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADPLN	1:30:00 PM	57419						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADPLN	3:30:00 PM	57420						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSEK	9:30:00 AM	57421						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSEK	11:30:00 AM	57422						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSEK	1:30:00 PM	57423						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSEK	3:30:00 PM	57424						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSGD	9:30:00 AM	57425						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSGD	11:30:00 AM	57426						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSGD	1:30:00 PM	57427						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADSGD	3:30:00 PM	57428						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADZAR	9:30:00 AM	57429						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CADZAR	11:30:00 AM	57430						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CADZAR	3:30:00 PM	57432						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFCZK	9:30:00 AM	57433						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFCZK	11:30:00 AM	57434						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFCZK	1:30:00 PM	57435						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFCZK	3:30:00 PM	57436						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK	9:30:00 AM	57437						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	CHFDKK	11:30:00 AM	57438						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK	1:30:00 PM	57439						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK	3:30:00 PM	57440						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK.fx	9:30:00 AM	57441						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK.fx	11:30:00 AM	57442						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK.fx	1:30:00 PM	57443						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFDKK.fx	3:30:00 PM	57444						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHKD	9:30:00 AM	57445						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHKD	11:30:00 AM	57446						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHKD	1:30:00 PM	57447						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHKD	3:30:00 PM	57448						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHUF	9:30:00 AM	57449						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFHUF	1:30:00 PM	57451						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFHUF	3:30:00 PM	57452						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFJPY	11:30:00 AM	57454						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY	1:30:00 PM	57455						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY	3:30:00 PM	57456						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY.fx	9:30:00 AM	57457						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY.fx	11:30:00 AM	57458						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY.fx	1:30:00 PM	57459						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFJPY.fx	3:30:00 PM	57460						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFMXN	9:30:00 AM	57461						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFMXN	11:30:00 AM	57462						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFMXN	1:30:00 PM	57463						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFMXN	3:30:00 PM	57464						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFNOK	11:30:00 AM	57466						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFNOK	1:30:00 PM	57467						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFNOK	3:30:00 PM	57468						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFNOK.fx	9:30:00 AM	57469						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFNOK.fx	11:30:00 AM	57470						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFNOK.fx	1:30:00 PM	57471						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	CHFNOK.fx	3:30:00 PM	57472						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFPLN	3:30:00 PM	57476						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFPLN.fx	9:30:00 AM	57477						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFPLN.fx	11:30:00 AM	57478						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFPLN.fx	1:30:00 PM	57479						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFPLN.fx	3:30:00 PM	57480						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSEK	9:30:00 AM	57481						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSEK	11:30:00 AM	57482						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSEK	1:30:00 PM	57483						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSEK	3:30:00 PM	57484						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSGD	9:30:00 AM	57485						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFSGD	11:30:00 AM	57486						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFSGD.fx	11:30:00 AM	57490						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	CHFZAR	9:30:00 AM	57493						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFZAR	11:30:00 AM	57494						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFZAR	1:30:00 PM	57495						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CHFZAR	3:30:00 PM	57496						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CZKJPY	9:30:00 AM	57497						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CZKJPY	11:30:00 AM	57498						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CZKJPY	1:30:00 PM	57499						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	CZKJPY	3:30:00 PM	57500						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	DAX30.i	11:30:00 AM	57502						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DAX30.i	1:30:00 PM	57503						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DAX30.i	3:30:00 PM	57504						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DJ30.i	9:30:00 AM	57505						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	DJ30.i	11:30:00 AM	57506						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DJ30.i	1:30:00 PM	57507						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DJ30.i	3:30:00 PM	57508						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DKKJPY	9:30:00 AM	57509						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DKKJPY	11:30:00 AM	57510						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DKKJPY	1:30:00 PM	57511						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	DKKJPY	3:30:00 PM	57512						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD	9:30:00 AM	57513						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD	11:30:00 AM	57514						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD	1:30:00 PM	57515						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD	3:30:00 PM	57516						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD.fx	9:30:00 AM	57517						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD.fx	11:30:00 AM	57518						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD.fx	1:30:00 PM	57519						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURAUD.fx	3:30:00 PM	57520						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD	9:30:00 AM	57521						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD	11:30:00 AM	57522						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD	1:30:00 PM	57523						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD	3:30:00 PM	57524						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD.fx	9:30:00 AM	57525						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD.fx	11:30:00 AM	57526						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD.fx	1:30:00 PM	57527						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCAD.fx	3:30:00 PM	57528						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF	9:30:00 AM	57529						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF	11:30:00 AM	57530						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF	1:30:00 PM	57531						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF	3:30:00 PM	57532						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF.fx	9:30:00 AM	57533						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF.fx	11:30:00 AM	57534						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF.fx	1:30:00 PM	57535						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCHF.fx	3:30:00 PM	57536						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCZK	9:30:00 AM	57537						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCZK	11:30:00 AM	57538						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURCZK	1:30:00 PM	57539						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	EURCZK	3:30:00 PM	57540						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURDKK	9:30:00 AM	57541						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURDKK	11:30:00 AM	57542						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURDKK	1:30:00 PM	57543						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURDKK	3:30:00 PM	57544						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP	9:30:00 AM	57545						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP	11:30:00 AM	57546						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP	1:30:00 PM	57547						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP	3:30:00 PM	57548						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP.fx	9:30:00 AM	57549						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP.fx	11:30:00 AM	57550						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP.fx	1:30:00 PM	57551						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURGBP.fx	3:30:00 PM	57552						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD	9:30:00 AM	57553						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD	11:30:00 AM	57554						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD	1:30:00 PM	57555						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD	3:30:00 PM	57556						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD.fx	9:30:00 AM	57557						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD.fx	11:30:00 AM	57558						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD.fx	1:30:00 PM	57559						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHKD.fx	3:30:00 PM	57560						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF	9:30:00 AM	57561						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF	11:30:00 AM	57562						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF	1:30:00 PM	57563						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF	3:30:00 PM	57564						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF.fx	9:30:00 AM	57565						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF.fx	11:30:00 AM	57566						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF.fx	1:30:00 PM	57567						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURHUF.fx	3:30:00 PM	57568						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY	9:30:00 AM	57569						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY	11:30:00 AM	57570						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY	1:30:00 PM	57571						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY	3:30:00 PM	57572						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY.fx	9:30:00 AM	57573						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	EURJPY.fx	11:30:00 AM	57574						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY.fx	1:30:00 PM	57575						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURJPY.fx	3:30:00 PM	57576						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN	9:30:00 AM	57577						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN	11:30:00 AM	57578						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN	1:30:00 PM	57579						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN	3:30:00 PM	57580						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN.fx	9:30:00 AM	57581						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN.fx	11:30:00 AM	57582						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN.fx	1:30:00 PM	57583						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURMXN.fx	3:30:00 PM	57584						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK	9:30:00 AM	57585						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK	11:30:00 AM	57586						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK	1:30:00 PM	57587						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK	3:30:00 PM	57588						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK.fx	9:30:00 AM	57589						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK.fx	11:30:00 AM	57590						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK.fx	1:30:00 PM	57591						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNOK.fx	3:30:00 PM	57592						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD	9:30:00 AM	57593						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD	11:30:00 AM	57594						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD	1:30:00 PM	57595						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD	3:30:00 PM	57596						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD.fx	9:30:00 AM	57597						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD.fx	11:30:00 AM	57598						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD.fx	1:30:00 PM	57599						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURNZD.fx	3:30:00 PM	57600						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN	9:30:00 AM	57601						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN	11:30:00 AM	57602						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN	1:30:00 PM	57603						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN	3:30:00 PM	57604						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN.fx	9:30:00 AM	57605						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN.fx	11:30:00 AM	57606						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURPLN.fx	1:30:00 PM	57607						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	EURPLN.fx	3:30:00 PM	57608						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURRUB	9:30:00 AM	57609						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURRUB	11:30:00 AM	57610						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURRUB	1:30:00 PM	57611						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURRUB	3:30:00 PM	57612						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK	9:30:00 AM	57613						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK	11:30:00 AM	57614						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK	1:30:00 PM	57615						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK	3:30:00 PM	57616						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK.fx	9:30:00 AM	57617						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK.fx	11:30:00 AM	57618						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK.fx	1:30:00 PM	57619						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSEK.fx	3:30:00 PM	57620						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD	9:30:00 AM	57621						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD	11:30:00 AM	57622						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD	1:30:00 PM	57623						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD	3:30:00 PM	57624						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD.fx	9:30:00 AM	57625						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD.fx	11:30:00 AM	57626						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD.fx	1:30:00 PM	57627						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURSGD.fx	3:30:00 PM	57628						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD	9:30:00 AM	57629						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD	11:30:00 AM	57630						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD	1:30:00 PM	57631						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD	3:30:00 PM	57632						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD.fx	9:30:00 AM	57633						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD.fx	11:30:00 AM	57634						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD.fx	1:30:00 PM	57635						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURUSD.fx	3:30:00 PM	57636						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR	9:30:00 AM	57637						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR	11:30:00 AM	57638						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR	1:30:00 PM	57639						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR	3:30:00 PM	57640						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR.fx	9:30:00 AM	57641						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	EURZAR.fx	11:30:00 AM	57642						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR.fx	1:30:00 PM	57643						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	EURZAR.fx	3:30:00 PM	57644						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD	9:30:00 AM	57645						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD	11:30:00 AM	57646						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD	1:30:00 PM	57647						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD	3:30:00 PM	57648						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD.fx	9:30:00 AM	57649						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD.fx	11:30:00 AM	57650						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD.fx	1:30:00 PM	57651						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPAUD.fx	3:30:00 PM	57652						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD	9:30:00 AM	57653						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD	11:30:00 AM	57654						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD	1:30:00 PM	57655						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD	3:30:00 PM	57656						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD.fx	9:30:00 AM	57657						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD.fx	11:30:00 AM	57658						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD.fx	1:30:00 PM	57659						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCAD.fx	3:30:00 PM	57660						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF	9:30:00 AM	57661						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF	11:30:00 AM	57662						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF	1:30:00 PM	57663						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF	3:30:00 PM	57664						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF.fx	9:30:00 AM	57665						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF.fx	11:30:00 AM	57666						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF.fx	1:30:00 PM	57667						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCHF.fx	3:30:00 PM	57668						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCZK	9:30:00 AM	57669						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCZK	11:30:00 AM	57670						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCZK	1:30:00 PM	57671						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPCZK	3:30:00 PM	57672						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK	9:30:00 AM	57673						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK	11:30:00 AM	57674						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK	1:30:00 PM	57675						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	GBPDKK	3:30:00 PM	57676						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK.fx	9:30:00 AM	57677						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK.fx	11:30:00 AM	57678						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK.fx	1:30:00 PM	57679						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPDKK.fx	3:30:00 PM	57680						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHKD	9:30:00 AM	57681						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHKD	11:30:00 AM	57682						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHKD	1:30:00 PM	57683						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHKD	3:30:00 PM	57684						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHUF	9:30:00 AM	57685						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHUF	11:30:00 AM	57686						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHUF	1:30:00 PM	57687						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPHUF	3:30:00 PM	57688						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY	9:30:00 AM	57689						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY	11:30:00 AM	57690						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY	1:30:00 PM	57691						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY	3:30:00 PM	57692						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY.fx	9:30:00 AM	57693						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY.fx	11:30:00 AM	57694						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY.fx	1:30:00 PM	57695						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPJPY.fx	3:30:00 PM	57696						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPMXN	9:30:00 AM	57697						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPMXN	11:30:00 AM	57698						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPMXN	1:30:00 PM	57699						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPMXN	3:30:00 PM	57700						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK	9:30:00 AM	57701						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK	11:30:00 AM	57702						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK	1:30:00 PM	57703						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK	3:30:00 PM	57704						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK.fx	9:30:00 AM	57705						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK.fx	11:30:00 AM	57706						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK.fx	1:30:00 PM	57707						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNOK.fx	3:30:00 PM	57708						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD	9:30:00 AM	57709						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	GBPNZD	11:30:00 AM	57710						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD	1:30:00 PM	57711						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD	3:30:00 PM	57712						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD.fx	9:30:00 AM	57713						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD.fx	11:30:00 AM	57714						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD.fx	1:30:00 PM	57715						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPNZD.fx	3:30:00 PM	57716						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN	9:30:00 AM	57717						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN	11:30:00 AM	57718						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN	1:30:00 PM	57719						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN	3:30:00 PM	57720						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN.fx	9:30:00 AM	57721						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN.fx	11:30:00 AM	57722						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN.fx	1:30:00 PM	57723						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPPLN.fx	3:30:00 PM	57724						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK	9:30:00 AM	57725						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK	11:30:00 AM	57726						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK	1:30:00 PM	57727						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK	3:30:00 PM	57728						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK.fx	9:30:00 AM	57729						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK.fx	11:30:00 AM	57730						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK.fx	1:30:00 PM	57731						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSEK.fx	3:30:00 PM	57732						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD	9:30:00 AM	57733						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD	11:30:00 AM	57734						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD	1:30:00 PM	57735						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD	3:30:00 PM	57736						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD.fx	9:30:00 AM	57737						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD.fx	11:30:00 AM	57738						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD.fx	1:30:00 PM	57739						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPSGD.fx	3:30:00 PM	57740						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD	9:30:00 AM	57741						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD	11:30:00 AM	57742						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD	1:30:00 PM	57743						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	GBPUSD	3:30:00 PM	57744						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD.fx	9:30:00 AM	57745						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD.fx	11:30:00 AM	57746						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD.fx	1:30:00 PM	57747						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPUSD.fx	3:30:00 PM	57748						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR	9:30:00 AM	57749						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR	11:30:00 AM	57750						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR	1:30:00 PM	57751						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR	3:30:00 PM	57752						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR.fx	9:30:00 AM	57753						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR.fx	11:30:00 AM	57754						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR.fx	1:30:00 PM	57755						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GBPZAR.fx	3:30:00 PM	57756						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GOLD	9:30:00 AM	57757						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GOLD	11:30:00 AM	57758						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GOLD	1:30:00 PM	57759						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	GOLD	3:30:00 PM	57760						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY	9:30:00 AM	57761						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY	11:30:00 AM	57762						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY	1:30:00 PM	57763						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY	3:30:00 PM	57764						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY.fx	9:30:00 AM	57765						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY.fx	11:30:00 AM	57766						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY.fx	1:30:00 PM	57767						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HKDJPY.fx	3:30:00 PM	57768						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HUFJPY	9:30:00 AM	57769						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HUFJPY	11:30:00 AM	57770						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HUFJPY	1:30:00 PM	57771						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	HUFJPY	3:30:00 PM	57772						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	JP225.i	9:30:00 AM	57773						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	JP225.i	11:30:00 AM	57774						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	JP225.i	1:30:00 PM	57775						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	JP225.i	3:30:00 PM	57776						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	MXNJPY	9:30:00 AM	57777						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	MXNJPY	11:30:00 AM	57778						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	MXNJPY	1:30:00 PM	57779						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	MXNJPY	3:30:00 PM	57780						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NASDAQ.i	9:30:00 AM	57781						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NASDAQ.i	11:30:00 AM	57782						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NASDAQ.i	1:30:00 PM	57783						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NASDAQ.i	3:30:00 PM	57784						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY	9:30:00 AM	57785						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY	11:30:00 AM	57786						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY	1:30:00 PM	57787						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY	3:30:00 PM	57788						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY.fx	9:30:00 AM	57789						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY.fx	11:30:00 AM	57790						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY.fx	1:30:00 PM	57791						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NOKJPY.fx	3:30:00 PM	57792						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD	9:30:00 AM	57793						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD	11:30:00 AM	57794						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD	1:30:00 PM	57795						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD	3:30:00 PM	57796						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD.fx	9:30:00 AM	57797						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD.fx	11:30:00 AM	57798						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD.fx	1:30:00 PM	57799						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCAD.fx	3:30:00 PM	57800						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF	9:30:00 AM	57801						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF	11:30:00 AM	57802						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF	1:30:00 PM	57803						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF	3:30:00 PM	57804						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF.fx	9:30:00 AM	57805						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF.fx	11:30:00 AM	57806						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF.fx	1:30:00 PM	57807						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCHF.fx	3:30:00 PM	57808						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCZK	9:30:00 AM	57809						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCZK	11:30:00 AM	57810						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDCZK	1:30:00 PM	57811						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	NZDCZK	3:30:00 PM	57812						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDDKK	9:30:00 AM	57813						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDDKK	11:30:00 AM	57814						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDDKK	1:30:00 PM	57815						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDDKK	3:30:00 PM	57816						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHKD	9:30:00 AM	57817						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHKD	11:30:00 AM	57818						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHKD	1:30:00 PM	57819						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHKD	3:30:00 PM	57820						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHUF	9:30:00 AM	57821						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHUF	11:30:00 AM	57822						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHUF	1:30:00 PM	57823						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDHUF	3:30:00 PM	57824						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY	9:30:00 AM	57825						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY	11:30:00 AM	57826						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY	1:30:00 PM	57827						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY	3:30:00 PM	57828						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY.fx	9:30:00 AM	57829						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY.fx	11:30:00 AM	57830						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY.fx	1:30:00 PM	57831						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDJPY.fx	3:30:00 PM	57832						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDMXN	9:30:00 AM	57833						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDMXN	11:30:00 AM	57834						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDMXN	1:30:00 PM	57835						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDMXN	3:30:00 PM	57836						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDNOK	9:30:00 AM	57837						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDNOK	11:30:00 AM	57838						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDNOK	1:30:00 PM	57839						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDNOK	3:30:00 PM	57840						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDPLN	9:30:00 AM	57841						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDPLN	11:30:00 AM	57842						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDPLN	1:30:00 PM	57843						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDPLN	3:30:00 PM	57844						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSEK	9:30:00 AM	57845						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	NZDSEK	11:30:00 AM	57846						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSEK	1:30:00 PM	57847						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSEK	3:30:00 PM	57848						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD	9:30:00 AM	57849						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD	11:30:00 AM	57850						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD	1:30:00 PM	57851						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD	3:30:00 PM	57852						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD.fx	9:30:00 AM	57853						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD.fx	11:30:00 AM	57854						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD.fx	1:30:00 PM	57855						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDSGD.fx	3:30:00 PM	57856						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD	9:30:00 AM	57857						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD	11:30:00 AM	57858						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD	1:30:00 PM	57859						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD	3:30:00 PM	57860						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD.fx	9:30:00 AM	57861						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD.fx	11:30:00 AM	57862						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD.fx	1:30:00 PM	57863						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDUSD.fx	3:30:00 PM	57864						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDZAR	9:30:00 AM	57865						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDZAR	11:30:00 AM	57866						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDZAR	1:30:00 PM	57867						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	NZDZAR	3:30:00 PM	57868						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY	9:30:00 AM	57869						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY	11:30:00 AM	57870						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY	1:30:00 PM	57871						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY	3:30:00 PM	57872						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY.fx	9:30:00 AM	57873						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY.fx	11:30:00 AM	57874						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY.fx	1:30:00 PM	57875						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SEKJPY.fx	3:30:00 PM	57876						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SGDJPY	9:30:00 AM	57877						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SGDJPY	11:30:00 AM	57878						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SGDJPY	1:30:00 PM	57879						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	SGDJPY	3:30:00 PM	57880						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SILVER	9:30:00 AM	57881						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SILVER	11:30:00 AM	57882						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SILVER	1:30:00 PM	57883						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SILVER	3:30:00 PM	57884						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SPX500.i	9:30:00 AM	57885						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SPX500.i	11:30:00 AM	57886						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SPX500.i	1:30:00 PM	57887						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	SPX500.i	3:30:00 PM	57888						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	UK100.i	9:30:00 AM	57889						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	UK100.i	11:30:00 AM	57890						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	UK100.i	1:30:00 PM	57891						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	UK100.i	3:30:00 PM	57892						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD	9:30:00 AM	57893						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD	11:30:00 AM	57894						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD	1:30:00 PM	57895						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD	3:30:00 PM	57896						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD.fx	9:30:00 AM	57897						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD.fx	11:30:00 AM	57898						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD.fx	1:30:00 PM	57899						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCAD.fx	3:30:00 PM	57900						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF	9:30:00 AM	57901						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF	11:30:00 AM	57902						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF	1:30:00 PM	57903						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF	3:30:00 PM	57904						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF.fx	9:30:00 AM	57905						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF.fx	11:30:00 AM	57906						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF.fx	1:30:00 PM	57907						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCHF.fx	3:30:00 PM	57908						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK	9:30:00 AM	57909						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK	11:30:00 AM	57910						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK	1:30:00 PM	57911						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK	3:30:00 PM	57912						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK.fx	9:30:00 AM	57913						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	USDCZK.fx	11:30:00 AM	57914						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK.fx	1:30:00 PM	57915						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDCZK.fx	3:30:00 PM	57916						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK	9:30:00 AM	57917						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK	11:30:00 AM	57918						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK	1:30:00 PM	57919						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK	3:30:00 PM	57920						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK.fx	9:30:00 AM	57921						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK.fx	11:30:00 AM	57922						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK.fx	1:30:00 PM	57923						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDDKK.fx	3:30:00 PM	57924						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD	9:30:00 AM	57925						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD	11:30:00 AM	57926						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD	1:30:00 PM	57927						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD	3:30:00 PM	57928						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD.fx	9:30:00 AM	57929						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD.fx	11:30:00 AM	57930						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD.fx	1:30:00 PM	57931						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHKD.fx	3:30:00 PM	57932						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF	9:30:00 AM	57933						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF	11:30:00 AM	57934						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF	1:30:00 PM	57935						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF	3:30:00 PM	57936						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF.fx	9:30:00 AM	57937						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF.fx	11:30:00 AM	57938						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF.fx	1:30:00 PM	57939						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDHUF.fx	3:30:00 PM	57940						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDINR	9:30:00 AM	57941						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDINR	11:30:00 AM	57942						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDINR	1:30:00 PM	57943						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDINR	3:30:00 PM	57944						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDJPY	9:30:00 AM	57945						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDJPY	11:30:00 AM	57946						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDJPY	1:30:00 PM	57947						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	USDJPY	3:30:00 PM	57948						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	USDJPY.fx	11:30:00 AM	57950						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDJPY.fx	1:30:00 PM	57951						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDJPY.fx	3:30:00 PM	57952						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN	9:30:00 AM	57953						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN	11:30:00 AM	57954						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN	1:30:00 PM	57955						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN	3:30:00 PM	57956						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN.fx	9:30:00 AM	57957						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN.fx	11:30:00 AM	57958						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN.fx	1:30:00 PM	57959						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDMXN.fx	3:30:00 PM	57960						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK	9:30:00 AM	57961						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK	11:30:00 AM	57962						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK	1:30:00 PM	57963						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK	3:30:00 PM	57964						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK.fx	9:30:00 AM	57965						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK.fx	11:30:00 AM	57966						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK.fx	1:30:00 PM	57967						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDNOK.fx	3:30:00 PM	57968						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	USDPLN	11:30:00 AM	57970						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDPLN	1:30:00 PM	57971						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDPLN	3:30:00 PM	57972						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDPLN.fx	9:30:00 AM	57973						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDPLN.fx	11:30:00 AM	57974						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	USDPLN.fx	3:30:00 PM	57976						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDRUB	9:30:00 AM	57977						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDRUB	11:30:00 AM	57978						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDRUB	1:30:00 PM	57979						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDRUB	3:30:00 PM	57980						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK	9:30:00 AM	57981						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	USDSEK	11:30:00 AM	57982						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK	1:30:00 PM	57983						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK	3:30:00 PM	57984						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK.fx	9:30:00 AM	57985						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK.fx	11:30:00 AM	57986						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK.fx	1:30:00 PM	57987						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSEK.fx	3:30:00 PM	57988						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD	9:30:00 AM	57989						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD	11:30:00 AM	57990						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD	1:30:00 PM	57991						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD	3:30:00 PM	57992						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD.fx	9:30:00 AM	57993						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD.fx	11:30:00 AM	57994						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD.fx	1:30:00 PM	57995						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDSGD.fx	3:30:00 PM	57996						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR	9:30:00 AM	57997						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR	11:30:00 AM	57998						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR	1:30:00 PM	57999						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR	3:30:00 PM	58000						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR.fx	9:30:00 AM	58001						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR.fx	11:30:00 AM	58002						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR.fx	1:30:00 PM	58003						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	USDZAR.fx	3:30:00 PM	58004						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	XAUUSD	9:30:00 AM	58005						Continuous Quote	N/A	ELECTRONIC	N/A
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11/18/2019	XAUUSD	1:30:00 PM	58007						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	XAUUSD	3:30:00 PM	58008						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY	9:30:00 AM	58009						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY	11:30:00 AM	58010						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY	1:30:00 PM	58011						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY	3:30:00 PM	58012						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY.fx	9:30:00 AM	58013						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY.fx	11:30:00 AM	58014						Continuous Quote	N/A	ELECTRONIC	N/A
11/18/2019	ZARJPY.fx	1:30:00 PM	58015						Continuous Quote	N/A	ELECTRONIC	N/A

11/18/2019	ZARJPY.fx	3:30:00 PM	58016						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#AA	11:30:00 AM	58018						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AA	1:30:00 PM	58019						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AA	3:30:00 PM	58020						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AABA	9:30:00 AM	58021						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AABA	11:30:00 AM	58022						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AABA	1:30:00 PM	58023						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AABA	3:30:00 PM	58024						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AAL	9:30:00 AM	58025						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AAL	11:30:00 AM	58026						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#ADBE	11:30:00 AM	58034						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#ADBE	1:30:00 PM	58035						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#ADBE	3:30:00 PM	58036						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AIG	9:30:00 AM	58037						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#AIG	3:30:00 PM	58040						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#AMD	11:30:00 AM	58042						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#AMD	3:30:00 PM	58044						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#AMZN	11:30:00 AM	58046						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AMZN	1:30:00 PM	58047						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AMZN	3:30:00 PM	58048						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#AXP	9:30:00 AM	58049						Continuous Quote	N/A	ELECTRONIC	N/A

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11/19/2019	#BA	3:30:00 PM	58056						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#BABA	3:30:00 PM	58060						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BAC	9:30:00 AM	58061						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BAC	11:30:00 AM	58062						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BAC	1:30:00 PM	58063						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BAC	3:30:00 PM	58064						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BARC	9:30:00 AM	58065						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#BARC	3:30:00 PM	58068						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#BHP	3:30:00 PM	58072						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BIDU	9:30:00 AM	58073						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#BIDU	3:30:00 PM	58076						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#Bitcoin	9:30:00 AM	58077						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#Bitcoin	11:30:00 AM	58078						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#Bitcoin	1:30:00 PM	58079						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#Bitcoin	3:30:00 PM	58080						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BK	9:30:00 AM	58081						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BK	11:30:00 AM	58082						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BK	1:30:00 PM	58083						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	#BK	3:30:00 PM	58084						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BLT	9:30:00 AM	58085						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BLT	11:30:00 AM	58086						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BLT	1:30:00 PM	58087						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BLT	3:30:00 PM	58088						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BP	9:30:00 AM	58089						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BP	11:30:00 AM	58090						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#BP	3:30:00 PM	58092						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BTA	9:30:00 AM	58093						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BTA	11:30:00 AM	58094						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BTA	1:30:00 PM	58095						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#BTA	3:30:00 PM	58096						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#C	9:30:00 AM	58097						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#C	3:30:00 PM	58100						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#CAT	11:30:00 AM	58102						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#CAT	1:30:00 PM	58103						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#CAT	3:30:00 PM	58104						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#CSCO	3:30:00 PM	58120						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#Ethereum	1:30:00 PM	58143						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#GEN	3:30:00 PM	58172						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#GILD	3:30:00 PM	58176						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#GOOG	3:30:00 PM	58180						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#MON	3:30:00 PM	58284						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#NG.f	3:30:00 PM	58312						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#ORAN	3:30:00 PM	58328						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#PEP	3:30:00 PM	58340						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#PG	3:30:00 PM	58348						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#QQQ	3:30:00 PM	58360						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#T	11:30:00 AM	58382						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#T	1:30:00 PM	58383						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#T	3:30:00 PM	58384						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#TEVA	9:30:00 AM	58385						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#TEVA	1:30:00 PM	58387						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#TEVA	3:30:00 PM	58388						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#TRI	3:30:00 PM	58392						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#TRV	3:30:00 PM	58396						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#TSCO	3:30:00 PM	58400						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#TWTR	3:30:00 PM	58408						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	#UBS	9:30:00 AM	58409						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	#UPS	9:30:00 AM	58417						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	AUDCHF	3:30:00 PM	58472						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	AUDDKK	11:30:00 AM	58482						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDDKK	1:30:00 PM	58483						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDDKK	3:30:00 PM	58484						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDHKD	9:30:00 AM	58485						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDHKD	11:30:00 AM	58486						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	AUDHKD	3:30:00 PM	58488						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDHUF	9:30:00 AM	58489						Continuous Quote	N/A	ELECTRONIC	N/A
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11/19/2019	AUDNOK	9:30:00 AM	58505						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK	11:30:00 AM	58506						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK	1:30:00 PM	58507						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK	3:30:00 PM	58508						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK.fx	9:30:00 AM	58509						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK.fx	11:30:00 AM	58510						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK.fx	1:30:00 PM	58511						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNOK.fx	3:30:00 PM	58512						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD	9:30:00 AM	58513						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD	11:30:00 AM	58514						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD	1:30:00 PM	58515						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD	3:30:00 PM	58516						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD.fx	9:30:00 AM	58517						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD.fx	11:30:00 AM	58518						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD.fx	1:30:00 PM	58519						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDNZD.fx	3:30:00 PM	58520						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDPLN	9:30:00 AM	58521						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDPLN	11:30:00 AM	58522						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDPLN	1:30:00 PM	58523						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDPLN	3:30:00 PM	58524						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK	9:30:00 AM	58525						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	AUDSEK	11:30:00 AM	58526						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK	1:30:00 PM	58527						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK	3:30:00 PM	58528						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK.fx	9:30:00 AM	58529						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK.fx	11:30:00 AM	58530						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK.fx	1:30:00 PM	58531						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSEK.fx	3:30:00 PM	58532						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD	9:30:00 AM	58533						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD	11:30:00 AM	58534						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD	1:30:00 PM	58535						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD	3:30:00 PM	58536						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD.fx	9:30:00 AM	58537						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD.fx	11:30:00 AM	58538						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD.fx	1:30:00 PM	58539						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDSGD.fx	3:30:00 PM	58540						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD	9:30:00 AM	58541						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD	11:30:00 AM	58542						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD	1:30:00 PM	58543						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD	3:30:00 PM	58544						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD.fx	9:30:00 AM	58545						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD.fx	11:30:00 AM	58546						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD.fx	1:30:00 PM	58547						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDUSD.fx	3:30:00 PM	58548						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDZAR	9:30:00 AM	58549						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDZAR	11:30:00 AM	58550						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDZAR	1:30:00 PM	58551						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUDZAR	3:30:00 PM	58552						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUS200.i	9:30:00 AM	58553						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUS200.i	11:30:00 AM	58554						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUS200.i	1:30:00 PM	58555						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	AUS200.i	3:30:00 PM	58556						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	BCHUSD	9:30:00 AM	58557						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	BCHUSD	11:30:00 AM	58558						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	BCHUSD	1:30:00 PM	58559						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	BCHUSD	3:30:00 PM	58560						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF	9:30:00 AM	58561						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF	11:30:00 AM	58562						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF	1:30:00 PM	58563						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF	3:30:00 PM	58564						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF.fx	9:30:00 AM	58565						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF.fx	11:30:00 AM	58566						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF.fx	1:30:00 PM	58567						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCHF.fx	3:30:00 PM	58568						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCZK	9:30:00 AM	58569						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCZK	11:30:00 AM	58570						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCZK	1:30:00 PM	58571						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADCZK	3:30:00 PM	58572						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADDDKK	9:30:00 AM	58573						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADDDKK	11:30:00 AM	58574						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADDDKK	1:30:00 PM	58575						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADDDKK	3:30:00 PM	58576						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHKD	9:30:00 AM	58577						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHKD	11:30:00 AM	58578						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHKD	1:30:00 PM	58579						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHKD	3:30:00 PM	58580						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHUF	9:30:00 AM	58581						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHUF	11:30:00 AM	58582						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHUF	1:30:00 PM	58583						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADHUF	3:30:00 PM	58584						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY	9:30:00 AM	58585						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY	11:30:00 AM	58586						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY	1:30:00 PM	58587						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY	3:30:00 PM	58588						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY.fx	9:30:00 AM	58589						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY.fx	11:30:00 AM	58590						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY.fx	1:30:00 PM	58591						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADJPY.fx	3:30:00 PM	58592						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADMXN	9:30:00 AM	58593						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	CADMXN	11:30:00 AM	58594						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADMXN	1:30:00 PM	58595						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADMXN	3:30:00 PM	58596						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADNOK	9:30:00 AM	58597						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADNOK	11:30:00 AM	58598						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADNOK	1:30:00 PM	58599						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADNOK	3:30:00 PM	58600						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADPLN	9:30:00 AM	58601						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADPLN	11:30:00 AM	58602						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADPLN	1:30:00 PM	58603						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADPLN	3:30:00 PM	58604						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSEK	9:30:00 AM	58605						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSEK	11:30:00 AM	58606						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSEK	1:30:00 PM	58607						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSEK	3:30:00 PM	58608						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSGD	9:30:00 AM	58609						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSGD	11:30:00 AM	58610						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSGD	1:30:00 PM	58611						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADSGD	3:30:00 PM	58612						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADZAR	9:30:00 AM	58613						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADZAR	11:30:00 AM	58614						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADZAR	1:30:00 PM	58615						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CADZAR	3:30:00 PM	58616						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFCZK	9:30:00 AM	58617						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFCZK	11:30:00 AM	58618						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFCZK	1:30:00 PM	58619						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFCZK	3:30:00 PM	58620						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK	9:30:00 AM	58621						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK	11:30:00 AM	58622						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK	1:30:00 PM	58623						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK	3:30:00 PM	58624						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK.fx	9:30:00 AM	58625						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK.fx	11:30:00 AM	58626						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFDKK.fx	1:30:00 PM	58627						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	CHFDKK.fx	3:30:00 PM	58628						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHKD	9:30:00 AM	58629						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHKD	11:30:00 AM	58630						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHKD	1:30:00 PM	58631						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHKD	3:30:00 PM	58632						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHUF	9:30:00 AM	58633						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHUF	11:30:00 AM	58634						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHUF	1:30:00 PM	58635						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFHUF	3:30:00 PM	58636						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY	9:30:00 AM	58637						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY	11:30:00 AM	58638						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY	1:30:00 PM	58639						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY	3:30:00 PM	58640						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY.fx	9:30:00 AM	58641						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY.fx	11:30:00 AM	58642						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY.fx	1:30:00 PM	58643						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFJPY.fx	3:30:00 PM	58644						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFMXN	9:30:00 AM	58645						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFMXN	11:30:00 AM	58646						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFMXN	1:30:00 PM	58647						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFMXN	3:30:00 PM	58648						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK	9:30:00 AM	58649						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK	11:30:00 AM	58650						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK	1:30:00 PM	58651						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK	3:30:00 PM	58652						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK.fx	9:30:00 AM	58653						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK.fx	11:30:00 AM	58654						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK.fx	1:30:00 PM	58655						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFNOK.fx	3:30:00 PM	58656						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN	9:30:00 AM	58657						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN	11:30:00 AM	58658						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN	1:30:00 PM	58659						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN	3:30:00 PM	58660						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN.fx	9:30:00 AM	58661						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	CHFPLN.fx	11:30:00 AM	58662						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN.fx	1:30:00 PM	58663						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFPLN.fx	3:30:00 PM	58664						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSEK	9:30:00 AM	58665						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSEK	11:30:00 AM	58666						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSEK	1:30:00 PM	58667						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSEK	3:30:00 PM	58668						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD	9:30:00 AM	58669						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD	11:30:00 AM	58670						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD	1:30:00 PM	58671						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD	3:30:00 PM	58672						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD.fx	9:30:00 AM	58673						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD.fx	11:30:00 AM	58674						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD.fx	1:30:00 PM	58675						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFSGD.fx	3:30:00 PM	58676						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFZAR	9:30:00 AM	58677						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFZAR	11:30:00 AM	58678						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFZAR	1:30:00 PM	58679						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CHFZAR	3:30:00 PM	58680						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CZKJPY	9:30:00 AM	58681						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CZKJPY	11:30:00 AM	58682						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CZKJPY	1:30:00 PM	58683						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	CZKJPY	3:30:00 PM	58684						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DAX30.i	9:30:00 AM	58685						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DAX30.i	11:30:00 AM	58686						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DAX30.i	1:30:00 PM	58687						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DAX30.i	3:30:00 PM	58688						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DJ30.i	9:30:00 AM	58689						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DJ30.i	11:30:00 AM	58690						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DJ30.i	1:30:00 PM	58691						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DJ30.i	3:30:00 PM	58692						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DKKJPY	9:30:00 AM	58693						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DKKJPY	11:30:00 AM	58694						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	DKKJPY	1:30:00 PM	58695						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	DKKJPY	3:30:00 PM	58696						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD	9:30:00 AM	58697						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD	11:30:00 AM	58698						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD	1:30:00 PM	58699						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD	3:30:00 PM	58700						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD.fx	9:30:00 AM	58701						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD.fx	11:30:00 AM	58702						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD.fx	1:30:00 PM	58703						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURAUD.fx	3:30:00 PM	58704						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD	9:30:00 AM	58705						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD	11:30:00 AM	58706						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD	1:30:00 PM	58707						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD	3:30:00 PM	58708						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD.fx	9:30:00 AM	58709						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD.fx	11:30:00 AM	58710						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD.fx	1:30:00 PM	58711						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCAD.fx	3:30:00 PM	58712						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF	9:30:00 AM	58713						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF	11:30:00 AM	58714						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF	1:30:00 PM	58715						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF	3:30:00 PM	58716						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF.fx	9:30:00 AM	58717						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF.fx	11:30:00 AM	58718						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF.fx	1:30:00 PM	58719						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCHF.fx	3:30:00 PM	58720						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCZK	9:30:00 AM	58721						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCZK	11:30:00 AM	58722						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCZK	1:30:00 PM	58723						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURCZK	3:30:00 PM	58724						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURDKK	9:30:00 AM	58725						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURDKK	11:30:00 AM	58726						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURDKK	1:30:00 PM	58727						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURDKK	3:30:00 PM	58728						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP	9:30:00 AM	58729						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	EURGBP	11:30:00 AM	58730						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP	1:30:00 PM	58731						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP	3:30:00 PM	58732						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP.fx	9:30:00 AM	58733						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP.fx	11:30:00 AM	58734						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP.fx	1:30:00 PM	58735						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURGBP.fx	3:30:00 PM	58736						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD	9:30:00 AM	58737						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD	11:30:00 AM	58738						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD	1:30:00 PM	58739						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD	3:30:00 PM	58740						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD.fx	9:30:00 AM	58741						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD.fx	11:30:00 AM	58742						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD.fx	1:30:00 PM	58743						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHKD.fx	3:30:00 PM	58744						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF	9:30:00 AM	58745						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF	11:30:00 AM	58746						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF	1:30:00 PM	58747						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF	3:30:00 PM	58748						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF.fx	9:30:00 AM	58749						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF.fx	11:30:00 AM	58750						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF.fx	1:30:00 PM	58751						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURHUF.fx	3:30:00 PM	58752						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY	9:30:00 AM	58753						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY	11:30:00 AM	58754						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY	1:30:00 PM	58755						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY	3:30:00 PM	58756						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY.fx	9:30:00 AM	58757						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY.fx	11:30:00 AM	58758						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY.fx	1:30:00 PM	58759						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURJPY.fx	3:30:00 PM	58760						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN	9:30:00 AM	58761						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN	11:30:00 AM	58762						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN	1:30:00 PM	58763						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	EURMXN	3:30:00 PM	58764						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN.fx	9:30:00 AM	58765						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN.fx	11:30:00 AM	58766						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN.fx	1:30:00 PM	58767						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURMXN.fx	3:30:00 PM	58768						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK	9:30:00 AM	58769						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK	11:30:00 AM	58770						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK	1:30:00 PM	58771						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK	3:30:00 PM	58772						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK.fx	9:30:00 AM	58773						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK.fx	11:30:00 AM	58774						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK.fx	1:30:00 PM	58775						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNOK.fx	3:30:00 PM	58776						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD	9:30:00 AM	58777						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD	11:30:00 AM	58778						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD	1:30:00 PM	58779						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD	3:30:00 PM	58780						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD.fx	9:30:00 AM	58781						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD.fx	11:30:00 AM	58782						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD.fx	1:30:00 PM	58783						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURNZD.fx	3:30:00 PM	58784						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN	9:30:00 AM	58785						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN	11:30:00 AM	58786						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN	1:30:00 PM	58787						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN	3:30:00 PM	58788						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN.fx	9:30:00 AM	58789						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN.fx	11:30:00 AM	58790						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN.fx	1:30:00 PM	58791						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURPLN.fx	3:30:00 PM	58792						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURRUB	9:30:00 AM	58793						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURRUB	11:30:00 AM	58794						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURRUB	1:30:00 PM	58795						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURRUB	3:30:00 PM	58796						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK	9:30:00 AM	58797						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	EURSEK	11:30:00 AM	58798						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK	1:30:00 PM	58799						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK	3:30:00 PM	58800						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK.fx	9:30:00 AM	58801						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK.fx	11:30:00 AM	58802						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK.fx	1:30:00 PM	58803						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSEK.fx	3:30:00 PM	58804						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD	9:30:00 AM	58805						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD	11:30:00 AM	58806						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD	1:30:00 PM	58807						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD	3:30:00 PM	58808						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD.fx	9:30:00 AM	58809						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD.fx	11:30:00 AM	58810						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD.fx	1:30:00 PM	58811						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURSGD.fx	3:30:00 PM	58812						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD	9:30:00 AM	58813						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD	11:30:00 AM	58814						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD	1:30:00 PM	58815						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD	3:30:00 PM	58816						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD.fx	9:30:00 AM	58817						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD.fx	11:30:00 AM	58818						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD.fx	1:30:00 PM	58819						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURUSD.fx	3:30:00 PM	58820						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR	9:30:00 AM	58821						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR	11:30:00 AM	58822						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR	1:30:00 PM	58823						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR	3:30:00 PM	58824						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR.fx	9:30:00 AM	58825						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR.fx	11:30:00 AM	58826						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR.fx	1:30:00 PM	58827						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	EURZAR.fx	3:30:00 PM	58828						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD	9:30:00 AM	58829						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD	11:30:00 AM	58830						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD	1:30:00 PM	58831						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	GBPAUD	3:30:00 PM	58832						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD.fx	9:30:00 AM	58833						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD.fx	11:30:00 AM	58834						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD.fx	1:30:00 PM	58835						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPAUD.fx	3:30:00 PM	58836						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD	9:30:00 AM	58837						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD	11:30:00 AM	58838						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD	1:30:00 PM	58839						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD	3:30:00 PM	58840						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD.fx	9:30:00 AM	58841						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD.fx	11:30:00 AM	58842						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD.fx	1:30:00 PM	58843						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCAD.fx	3:30:00 PM	58844						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF	9:30:00 AM	58845						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF	11:30:00 AM	58846						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF	1:30:00 PM	58847						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF	3:30:00 PM	58848						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF.fx	9:30:00 AM	58849						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF.fx	11:30:00 AM	58850						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF.fx	1:30:00 PM	58851						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCHF.fx	3:30:00 PM	58852						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCZK	9:30:00 AM	58853						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCZK	11:30:00 AM	58854						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCZK	1:30:00 PM	58855						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPCZK	3:30:00 PM	58856						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK	9:30:00 AM	58857						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK	11:30:00 AM	58858						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK	1:30:00 PM	58859						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK	3:30:00 PM	58860						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK.fx	9:30:00 AM	58861						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK.fx	11:30:00 AM	58862						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK.fx	1:30:00 PM	58863						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPDKK.fx	3:30:00 PM	58864						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHKD	9:30:00 AM	58865						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	GBPHKD	11:30:00 AM	58866						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHKD	1:30:00 PM	58867						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHKD	3:30:00 PM	58868						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHUF	9:30:00 AM	58869						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHUF	11:30:00 AM	58870						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHUF	1:30:00 PM	58871						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPHUF	3:30:00 PM	58872						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY	9:30:00 AM	58873						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY	11:30:00 AM	58874						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY	1:30:00 PM	58875						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY	3:30:00 PM	58876						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY.fx	9:30:00 AM	58877						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY.fx	11:30:00 AM	58878						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY.fx	1:30:00 PM	58879						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPJPY.fx	3:30:00 PM	58880						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPMXN	9:30:00 AM	58881						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPMXN	11:30:00 AM	58882						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPMXN	1:30:00 PM	58883						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPMXN	3:30:00 PM	58884						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK	9:30:00 AM	58885						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK	11:30:00 AM	58886						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK	1:30:00 PM	58887						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK	3:30:00 PM	58888						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK.fx	9:30:00 AM	58889						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK.fx	11:30:00 AM	58890						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK.fx	1:30:00 PM	58891						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNOK.fx	3:30:00 PM	58892						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD	9:30:00 AM	58893						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD	11:30:00 AM	58894						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD	1:30:00 PM	58895						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD	3:30:00 PM	58896						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD.fx	9:30:00 AM	58897						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD.fx	11:30:00 AM	58898						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPNZD.fx	1:30:00 PM	58899						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	GBPNZD.fx	3:30:00 PM	58900						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN	9:30:00 AM	58901						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN	11:30:00 AM	58902						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN	1:30:00 PM	58903						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN	3:30:00 PM	58904						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN.fx	9:30:00 AM	58905						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN.fx	11:30:00 AM	58906						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN.fx	1:30:00 PM	58907						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPPLN.fx	3:30:00 PM	58908						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK	9:30:00 AM	58909						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK	11:30:00 AM	58910						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK	1:30:00 PM	58911						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK	3:30:00 PM	58912						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK.fx	9:30:00 AM	58913						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK.fx	11:30:00 AM	58914						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK.fx	1:30:00 PM	58915						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSEK.fx	3:30:00 PM	58916						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD	9:30:00 AM	58917						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD	11:30:00 AM	58918						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD	1:30:00 PM	58919						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD	3:30:00 PM	58920						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD.fx	9:30:00 AM	58921						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD.fx	11:30:00 AM	58922						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD.fx	1:30:00 PM	58923						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPSGD.fx	3:30:00 PM	58924						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD	9:30:00 AM	58925						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD	11:30:00 AM	58926						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD	1:30:00 PM	58927						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD	3:30:00 PM	58928						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD.fx	9:30:00 AM	58929						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD.fx	11:30:00 AM	58930						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD.fx	1:30:00 PM	58931						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPUSD.fx	3:30:00 PM	58932						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR	9:30:00 AM	58933						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	GBPZAR	11:30:00 AM	58934						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR	1:30:00 PM	58935						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR	3:30:00 PM	58936						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR.fx	9:30:00 AM	58937						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR.fx	11:30:00 AM	58938						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR.fx	1:30:00 PM	58939						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GBPZAR.fx	3:30:00 PM	58940						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GOLD	9:30:00 AM	58941						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GOLD	11:30:00 AM	58942						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GOLD	1:30:00 PM	58943						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	GOLD	3:30:00 PM	58944						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY	9:30:00 AM	58945						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY	11:30:00 AM	58946						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY	1:30:00 PM	58947						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY	3:30:00 PM	58948						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY.fx	9:30:00 AM	58949						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY.fx	11:30:00 AM	58950						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY.fx	1:30:00 PM	58951						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HKDJPY.fx	3:30:00 PM	58952						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HUFJPY	9:30:00 AM	58953						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HUFJPY	11:30:00 AM	58954						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HUFJPY	1:30:00 PM	58955						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	HUFJPY	3:30:00 PM	58956						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JP225.i	9:30:00 AM	58957						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JP225.i	11:30:00 AM	58958						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JP225.i	1:30:00 PM	58959						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JP225.i	3:30:00 PM	58960						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	MXNJPY	9:30:00 AM	58961						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	MXNJPY	11:30:00 AM	58962						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	MXNJPY	1:30:00 PM	58963						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	MXNJPY	3:30:00 PM	58964						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NASDAQ.i	9:30:00 AM	58965						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NASDAQ.i	11:30:00 AM	58966						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NASDAQ.i	1:30:00 PM	58967						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	NASDAQ.i	3:30:00 PM	58968						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY	9:30:00 AM	58969						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY	11:30:00 AM	58970						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY	1:30:00 PM	58971						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY	3:30:00 PM	58972						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY.fx	9:30:00 AM	58973						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY.fx	11:30:00 AM	58974						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY.fx	1:30:00 PM	58975						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NOKJPY.fx	3:30:00 PM	58976						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD	9:30:00 AM	58977						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD	11:30:00 AM	58978						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD	1:30:00 PM	58979						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD	3:30:00 PM	58980						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD.fx	9:30:00 AM	58981						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD.fx	11:30:00 AM	58982						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD.fx	1:30:00 PM	58983						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCAD.fx	3:30:00 PM	58984						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF	9:30:00 AM	58985						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF	11:30:00 AM	58986						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF	1:30:00 PM	58987						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF	3:30:00 PM	58988						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF.fx	9:30:00 AM	58989						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF.fx	11:30:00 AM	58990						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF.fx	1:30:00 PM	58991						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCHF.fx	3:30:00 PM	58992						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCZK	9:30:00 AM	58993						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCZK	11:30:00 AM	58994						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCZK	1:30:00 PM	58995						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDCZK	3:30:00 PM	58996						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDDKK	9:30:00 AM	58997						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDDKK	11:30:00 AM	58998						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDDKK	1:30:00 PM	58999						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDDKK	3:30:00 PM	59000						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHKD	9:30:00 AM	59001						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	NZDHKD	11:30:00 AM	59002						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHKD	1:30:00 PM	59003						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHKD	3:30:00 PM	59004						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHUF	9:30:00 AM	59005						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHUF	11:30:00 AM	59006						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHUF	1:30:00 PM	59007						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDHUF	3:30:00 PM	59008						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY	9:30:00 AM	59009						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY	11:30:00 AM	59010						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY	1:30:00 PM	59011						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY	3:30:00 PM	59012						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY.fx	9:30:00 AM	59013						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY.fx	11:30:00 AM	59014						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY.fx	1:30:00 PM	59015						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDJPY.fx	3:30:00 PM	59016						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDMXN	9:30:00 AM	59017						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDMXN	11:30:00 AM	59018						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDMXN	1:30:00 PM	59019						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDMXN	3:30:00 PM	59020						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDNOK	9:30:00 AM	59021						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDNOK	11:30:00 AM	59022						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDNOK	1:30:00 PM	59023						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDNOK	3:30:00 PM	59024						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDPLN	9:30:00 AM	59025						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDPLN	11:30:00 AM	59026						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDPLN	1:30:00 PM	59027						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDPLN	3:30:00 PM	59028						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSEK	9:30:00 AM	59029						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSEK	11:30:00 AM	59030						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSEK	1:30:00 PM	59031						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSEK	3:30:00 PM	59032						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD	9:30:00 AM	59033						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD	11:30:00 AM	59034						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD	1:30:00 PM	59035						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	NZDSGD	3:30:00 PM	59036						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD.fx	9:30:00 AM	59037						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD.fx	11:30:00 AM	59038						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD.fx	1:30:00 PM	59039						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDSGD.fx	3:30:00 PM	59040						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD	9:30:00 AM	59041						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD	11:30:00 AM	59042						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD	1:30:00 PM	59043						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD	3:30:00 PM	59044						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD.fx	9:30:00 AM	59045						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD.fx	11:30:00 AM	59046						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD.fx	1:30:00 PM	59047						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDUSD.fx	3:30:00 PM	59048						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDZAR	9:30:00 AM	59049						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDZAR	11:30:00 AM	59050						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDZAR	1:30:00 PM	59051						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	NZDZAR	3:30:00 PM	59052						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY	9:30:00 AM	59053						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY	11:30:00 AM	59054						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY	1:30:00 PM	59055						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY	3:30:00 PM	59056						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY.fx	9:30:00 AM	59057						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY.fx	11:30:00 AM	59058						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY.fx	1:30:00 PM	59059						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SEKJPY.fx	3:30:00 PM	59060						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SGDJPY	9:30:00 AM	59061						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SGDJPY	11:30:00 AM	59062						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SGDJPY	1:30:00 PM	59063						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SGDJPY	3:30:00 PM	59064						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SILVER	9:30:00 AM	59065						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SILVER	11:30:00 AM	59066						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SILVER	1:30:00 PM	59067						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SILVER	3:30:00 PM	59068						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SPX500.i	9:30:00 AM	59069						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	SPX500.i	11:30:00 AM	59070						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SPX500.i	1:30:00 PM	59071						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	SPX500.i	3:30:00 PM	59072						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	UK100.i	9:30:00 AM	59073						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	UK100.i	11:30:00 AM	59074						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	UK100.i	1:30:00 PM	59075						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	UK100.i	3:30:00 PM	59076						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD	9:30:00 AM	59077						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD	11:30:00 AM	59078						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD	1:30:00 PM	59079						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD	3:30:00 PM	59080						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD.fx	9:30:00 AM	59081						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD.fx	11:30:00 AM	59082						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD.fx	1:30:00 PM	59083						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCAD.fx	3:30:00 PM	59084						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF	9:30:00 AM	59085						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF	11:30:00 AM	59086						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF	1:30:00 PM	59087						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF	3:30:00 PM	59088						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF.fx	9:30:00 AM	59089						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF.fx	11:30:00 AM	59090						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF.fx	1:30:00 PM	59091						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCHF.fx	3:30:00 PM	59092						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK	9:30:00 AM	59093						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK	11:30:00 AM	59094						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK	1:30:00 PM	59095						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK	3:30:00 PM	59096						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK.fx	9:30:00 AM	59097						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK.fx	11:30:00 AM	59098						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK.fx	1:30:00 PM	59099						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDCZK.fx	3:30:00 PM	59100						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK	9:30:00 AM	59101						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK	11:30:00 AM	59102						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK	1:30:00 PM	59103						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	USDDKK	3:30:00 PM	59104						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK.fx	9:30:00 AM	59105						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK.fx	11:30:00 AM	59106						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK.fx	1:30:00 PM	59107						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDDKK.fx	3:30:00 PM	59108						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD	9:30:00 AM	59109						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD	11:30:00 AM	59110						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD	1:30:00 PM	59111						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD	3:30:00 PM	59112						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD.fx	9:30:00 AM	59113						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD.fx	11:30:00 AM	59114						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD.fx	1:30:00 PM	59115						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHKD.fx	3:30:00 PM	59116						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF	9:30:00 AM	59117						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF	11:30:00 AM	59118						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF	1:30:00 PM	59119						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF	3:30:00 PM	59120						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF.fx	9:30:00 AM	59121						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF.fx	11:30:00 AM	59122						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF.fx	1:30:00 PM	59123						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDHUF.fx	3:30:00 PM	59124						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDINR	9:30:00 AM	59125						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDINR	11:30:00 AM	59126						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDINR	1:30:00 PM	59127						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDINR	3:30:00 PM	59128						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY	9:30:00 AM	59129						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY	11:30:00 AM	59130						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY	1:30:00 PM	59131						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY	3:30:00 PM	59132						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY.fx	9:30:00 AM	59133						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY.fx	11:30:00 AM	59134						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY.fx	1:30:00 PM	59135						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDJPY.fx	3:30:00 PM	59136						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDMXN	9:30:00 AM	59137						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	USDMXN	11:30:00 AM	59138						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDMXN	1:30:00 PM	59139						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDMXN	3:30:00 PM	59140						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JSDMXN.fx	9:30:00 AM	59141						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JSDMXN.fx	11:30:00 AM	59142						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JSDMXN.fx	1:30:00 PM	59143						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	JSDMXN.fx	3:30:00 PM	59144						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK	9:30:00 AM	59145						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK	11:30:00 AM	59146						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK	1:30:00 PM	59147						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK	3:30:00 PM	59148						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK.fx	9:30:00 AM	59149						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK.fx	11:30:00 AM	59150						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK.fx	1:30:00 PM	59151						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDNOK.fx	3:30:00 PM	59152						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN	9:30:00 AM	59153						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN	11:30:00 AM	59154						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN	1:30:00 PM	59155						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN	3:30:00 PM	59156						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN.fx	9:30:00 AM	59157						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN.fx	11:30:00 AM	59158						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN.fx	1:30:00 PM	59159						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDPLN.fx	3:30:00 PM	59160						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDRUB	9:30:00 AM	59161						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDRUB	11:30:00 AM	59162						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDRUB	1:30:00 PM	59163						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDRUB	3:30:00 PM	59164						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK	9:30:00 AM	59165						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK	11:30:00 AM	59166						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK	1:30:00 PM	59167						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK	3:30:00 PM	59168						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK.fx	9:30:00 AM	59169						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK.fx	11:30:00 AM	59170						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSEK.fx	1:30:00 PM	59171						Continuous Quote	N/A	ELECTRONIC	N/A

11/19/2019	USDSEK.fx	3:30:00 PM	59172						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD	9:30:00 AM	59173						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD	11:30:00 AM	59174						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD	1:30:00 PM	59175						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD	3:30:00 PM	59176						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD.fx	9:30:00 AM	59177						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD.fx	11:30:00 AM	59178						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD.fx	1:30:00 PM	59179						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDSGD.fx	3:30:00 PM	59180						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR	9:30:00 AM	59181						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR	11:30:00 AM	59182						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR	1:30:00 PM	59183						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR	3:30:00 PM	59184						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR.fx	9:30:00 AM	59185						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR.fx	11:30:00 AM	59186						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR.fx	1:30:00 PM	59187						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	USDZAR.fx	3:30:00 PM	59188						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	XAUUSD	9:30:00 AM	59189						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	XAUUSD	11:30:00 AM	59190						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	XAUUSD	1:30:00 PM	59191						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	XAUUSD	3:30:00 PM	59192						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY	9:30:00 AM	59193						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY	11:30:00 AM	59194						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY	1:30:00 PM	59195						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY	3:30:00 PM	59196						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY.fx	9:30:00 AM	59197						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY.fx	11:30:00 AM	59198						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY.fx	1:30:00 PM	59199						Continuous Quote	N/A	ELECTRONIC	N/A
11/19/2019	ZARJPY.fx	3:30:00 PM	59200						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AA	9:30:00 AM	59201						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AA	11:30:00 AM	59202						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AA	1:30:00 PM	59203						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AA	3:30:00 PM	59204						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AABA	9:30:00 AM	59205						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	#AABA	11:30:00 AM	59206						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AABA	1:30:00 PM	59207						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AABA	3:30:00 PM	59208						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAL	9:30:00 AM	59209						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAL	11:30:00 AM	59210						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAL	1:30:00 PM	59211						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAL	3:30:00 PM	59212						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAPL	9:30:00 AM	59213						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAPL	11:30:00 AM	59214						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAPL	1:30:00 PM	59215						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AAPL	3:30:00 PM	59216						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#ADBE	9:30:00 AM	59217						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#ADBE	11:30:00 AM	59218						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#ADBE	1:30:00 PM	59219						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#ADBE	3:30:00 PM	59220						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AIG	9:30:00 AM	59221						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AIG	11:30:00 AM	59222						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AIG	1:30:00 PM	59223						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AIG	3:30:00 PM	59224						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMD	9:30:00 AM	59225						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMD	11:30:00 AM	59226						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMD	1:30:00 PM	59227						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMD	3:30:00 PM	59228						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMZN	9:30:00 AM	59229						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMZN	11:30:00 AM	59230						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMZN	1:30:00 PM	59231						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AMZN	3:30:00 PM	59232						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AXP	9:30:00 AM	59233						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AXP	11:30:00 AM	59234						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AXP	1:30:00 PM	59235						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#AXP	3:30:00 PM	59236						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BA	9:30:00 AM	59237						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BA	11:30:00 AM	59238						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BA	1:30:00 PM	59239						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	#BA	3:30:00 PM	59240						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BABA	9:30:00 AM	59241						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BABA	11:30:00 AM	59242						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BABA	1:30:00 PM	59243						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BABA	3:30:00 PM	59244						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BAC	9:30:00 AM	59245						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BAC	11:30:00 AM	59246						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BAC	1:30:00 PM	59247						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BAC	3:30:00 PM	59248						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BARC	9:30:00 AM	59249						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BARC	11:30:00 AM	59250						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BARC	1:30:00 PM	59251						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BARC	3:30:00 PM	59252						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BHP	9:30:00 AM	59253						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BHP	11:30:00 AM	59254						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BHP	1:30:00 PM	59255						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BHP	3:30:00 PM	59256						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BIDU	9:30:00 AM	59257						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BIDU	11:30:00 AM	59258						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BIDU	1:30:00 PM	59259						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BIDU	3:30:00 PM	59260						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#Bitcoin	9:30:00 AM	59261						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#Bitcoin	11:30:00 AM	59262						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#Bitcoin	1:30:00 PM	59263						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#Bitcoin	3:30:00 PM	59264						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BK	9:30:00 AM	59265						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BK	11:30:00 AM	59266						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BK	1:30:00 PM	59267						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BK	3:30:00 PM	59268						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BLT	9:30:00 AM	59269						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BLT	11:30:00 AM	59270						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BLT	1:30:00 PM	59271						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BLT	3:30:00 PM	59272						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BP	9:30:00 AM	59273						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	#BP	11:30:00 AM	59274						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BP	1:30:00 PM	59275						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BP	3:30:00 PM	59276						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BTA	9:30:00 AM	59277						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BTA	11:30:00 AM	59278						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BTA	1:30:00 PM	59279						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#BTA	3:30:00 PM	59280						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#C	9:30:00 AM	59281						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#C	11:30:00 AM	59282						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#C	1:30:00 PM	59283						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#C	3:30:00 PM	59284						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#CAT	9:30:00 AM	59285						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#CAT	11:30:00 AM	59286						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#CAT	1:30:00 PM	59287						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#CAT	3:30:00 PM	59288						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	#CHL	9:30:00 AM	59289						Continuous Quote	N/A	ELECTRONIC	N/A
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11/20/2019	#ORCL	3:30:00 PM	59516						Continuous Quote	N/A	ELECTRONIC	N/A
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11/20/2019	#TRI	3:30:00 PM	59576						Continuous Quote	N/A	ELECTRONIC	N/A
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11/20/2019	AUDNOK.fx	1:30:00 PM	59695						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNOK.fx	3:30:00 PM	59696						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD	9:30:00 AM	59697						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD	11:30:00 AM	59698						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD	1:30:00 PM	59699						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD	3:30:00 PM	59700						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD.fx	9:30:00 AM	59701						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD.fx	11:30:00 AM	59702						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD.fx	1:30:00 PM	59703						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDNZD.fx	3:30:00 PM	59704						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDPLN	9:30:00 AM	59705						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDPLN	11:30:00 AM	59706						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDPLN	1:30:00 PM	59707						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDPLN	3:30:00 PM	59708						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK	9:30:00 AM	59709						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK	11:30:00 AM	59710						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK	1:30:00 PM	59711						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK	3:30:00 PM	59712						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK.fx	9:30:00 AM	59713						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK.fx	11:30:00 AM	59714						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSEK.fx	1:30:00 PM	59715						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	AUDSEK.fx	3:30:00 PM	59716						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD	9:30:00 AM	59717						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD	11:30:00 AM	59718						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD	1:30:00 PM	59719						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD	3:30:00 PM	59720						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD.fx	9:30:00 AM	59721						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD.fx	11:30:00 AM	59722						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD.fx	1:30:00 PM	59723						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDSGD.fx	3:30:00 PM	59724						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD	9:30:00 AM	59725						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD	11:30:00 AM	59726						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD	1:30:00 PM	59727						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD	3:30:00 PM	59728						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD.fx	9:30:00 AM	59729						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD.fx	11:30:00 AM	59730						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD.fx	1:30:00 PM	59731						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDUSD.fx	3:30:00 PM	59732						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDZAR	9:30:00 AM	59733						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDZAR	11:30:00 AM	59734						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDZAR	1:30:00 PM	59735						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUDZAR	3:30:00 PM	59736						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUS200.i	9:30:00 AM	59737						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUS200.i	11:30:00 AM	59738						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUS200.i	1:30:00 PM	59739						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	AUS200.i	3:30:00 PM	59740						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	BCHUSD	9:30:00 AM	59741						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	BCHUSD	11:30:00 AM	59742						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	BCHUSD	1:30:00 PM	59743						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	BCHUSD	3:30:00 PM	59744						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF	9:30:00 AM	59745						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF	11:30:00 AM	59746						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF	1:30:00 PM	59747						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF	3:30:00 PM	59748						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF.fx	9:30:00 AM	59749						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	CADCHF.fx	11:30:00 AM	59750						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF.fx	1:30:00 PM	59751						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCHF.fx	3:30:00 PM	59752						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCZK	9:30:00 AM	59753						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCZK	11:30:00 AM	59754						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCZK	1:30:00 PM	59755						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADCZK	3:30:00 PM	59756						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADDDKK	9:30:00 AM	59757						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADDDKK	11:30:00 AM	59758						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADDDKK	1:30:00 PM	59759						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADDDKK	3:30:00 PM	59760						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHKD	9:30:00 AM	59761						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHKD	11:30:00 AM	59762						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHKD	1:30:00 PM	59763						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHKD	3:30:00 PM	59764						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHUF	9:30:00 AM	59765						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHUF	11:30:00 AM	59766						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHUF	1:30:00 PM	59767						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADHUF	3:30:00 PM	59768						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY	9:30:00 AM	59769						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY	11:30:00 AM	59770						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY	1:30:00 PM	59771						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY	3:30:00 PM	59772						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY.fx	9:30:00 AM	59773						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY.fx	11:30:00 AM	59774						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY.fx	1:30:00 PM	59775						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADJPY.fx	3:30:00 PM	59776						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADMXN	9:30:00 AM	59777						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADMXN	11:30:00 AM	59778						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADMXN	1:30:00 PM	59779						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADMXN	3:30:00 PM	59780						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADNOK	9:30:00 AM	59781						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADNOK	11:30:00 AM	59782						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADNOK	1:30:00 PM	59783						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	CADNOK	3:30:00 PM	59784						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADPLN	9:30:00 AM	59785						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADPLN	11:30:00 AM	59786						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADPLN	1:30:00 PM	59787						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADPLN	3:30:00 PM	59788						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSEK	9:30:00 AM	59789						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSEK	11:30:00 AM	59790						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSEK	1:30:00 PM	59791						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSEK	3:30:00 PM	59792						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSGD	9:30:00 AM	59793						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSGD	11:30:00 AM	59794						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSGD	1:30:00 PM	59795						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADSGD	3:30:00 PM	59796						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADZAR	9:30:00 AM	59797						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADZAR	11:30:00 AM	59798						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADZAR	1:30:00 PM	59799						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CADZAR	3:30:00 PM	59800						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFCZK	9:30:00 AM	59801						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFCZK	11:30:00 AM	59802						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFCZK	1:30:00 PM	59803						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFCZK	3:30:00 PM	59804						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK	9:30:00 AM	59805						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK	11:30:00 AM	59806						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK	1:30:00 PM	59807						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK	3:30:00 PM	59808						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK.fx	9:30:00 AM	59809						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK.fx	11:30:00 AM	59810						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK.fx	1:30:00 PM	59811						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFDKK.fx	3:30:00 PM	59812						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHKD	9:30:00 AM	59813						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHKD	11:30:00 AM	59814						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHKD	1:30:00 PM	59815						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHKD	3:30:00 PM	59816						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHUF	9:30:00 AM	59817						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	CHFHFUF	11:30:00 AM	59818						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHFUF	1:30:00 PM	59819						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFHFUF	3:30:00 PM	59820						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY	9:30:00 AM	59821						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY	11:30:00 AM	59822						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY	1:30:00 PM	59823						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY	3:30:00 PM	59824						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY.fx	9:30:00 AM	59825						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY.fx	11:30:00 AM	59826						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY.fx	1:30:00 PM	59827						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFJPY.fx	3:30:00 PM	59828						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFMXN	9:30:00 AM	59829						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFMXN	11:30:00 AM	59830						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFMXN	1:30:00 PM	59831						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFMXN	3:30:00 PM	59832						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK	9:30:00 AM	59833						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK	11:30:00 AM	59834						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK	1:30:00 PM	59835						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK	3:30:00 PM	59836						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK.fx	9:30:00 AM	59837						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK.fx	11:30:00 AM	59838						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK.fx	1:30:00 PM	59839						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFNOK.fx	3:30:00 PM	59840						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN	9:30:00 AM	59841						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN	11:30:00 AM	59842						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN	1:30:00 PM	59843						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN	3:30:00 PM	59844						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN.fx	9:30:00 AM	59845						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN.fx	11:30:00 AM	59846						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN.fx	1:30:00 PM	59847						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFPLN.fx	3:30:00 PM	59848						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSEK	9:30:00 AM	59849						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSEK	11:30:00 AM	59850						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSEK	1:30:00 PM	59851						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	CHFSEK	3:30:00 PM	59852						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD	9:30:00 AM	59853						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD	11:30:00 AM	59854						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD	1:30:00 PM	59855						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD	3:30:00 PM	59856						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD.fx	9:30:00 AM	59857						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD.fx	11:30:00 AM	59858						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD.fx	1:30:00 PM	59859						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFSGD.fx	3:30:00 PM	59860						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFZAR	9:30:00 AM	59861						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFZAR	11:30:00 AM	59862						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFZAR	1:30:00 PM	59863						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CHFZAR	3:30:00 PM	59864						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CZKJPY	9:30:00 AM	59865						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CZKJPY	11:30:00 AM	59866						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CZKJPY	1:30:00 PM	59867						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	CZKJPY	3:30:00 PM	59868						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DAX30.i	9:30:00 AM	59869						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DAX30.i	11:30:00 AM	59870						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DAX30.i	1:30:00 PM	59871						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DAX30.i	3:30:00 PM	59872						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DJ30.i	9:30:00 AM	59873						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DJ30.i	11:30:00 AM	59874						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DJ30.i	1:30:00 PM	59875						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DJ30.i	3:30:00 PM	59876						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DKKJPY	9:30:00 AM	59877						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DKKJPY	11:30:00 AM	59878						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DKKJPY	1:30:00 PM	59879						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	DKKJPY	3:30:00 PM	59880						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD	9:30:00 AM	59881						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD	11:30:00 AM	59882						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD	1:30:00 PM	59883						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD	3:30:00 PM	59884						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD.fx	9:30:00 AM	59885						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	EURAUD.fx	11:30:00 AM	59886						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD.fx	1:30:00 PM	59887						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURAUD.fx	3:30:00 PM	59888						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD	9:30:00 AM	59889						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD	11:30:00 AM	59890						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD	1:30:00 PM	59891						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD	3:30:00 PM	59892						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD.fx	9:30:00 AM	59893						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD.fx	11:30:00 AM	59894						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD.fx	1:30:00 PM	59895						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCAD.fx	3:30:00 PM	59896						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF	9:30:00 AM	59897						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF	11:30:00 AM	59898						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF	1:30:00 PM	59899						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF	3:30:00 PM	59900						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF.fx	9:30:00 AM	59901						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF.fx	11:30:00 AM	59902						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF.fx	1:30:00 PM	59903						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCHF.fx	3:30:00 PM	59904						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCZK	9:30:00 AM	59905						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCZK	11:30:00 AM	59906						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCZK	1:30:00 PM	59907						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURCZK	3:30:00 PM	59908						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURDKK	9:30:00 AM	59909						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURDKK	11:30:00 AM	59910						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURDKK	1:30:00 PM	59911						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURDKK	3:30:00 PM	59912						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP	9:30:00 AM	59913						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP	11:30:00 AM	59914						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP	1:30:00 PM	59915						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP	3:30:00 PM	59916						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP.fx	9:30:00 AM	59917						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP.fx	11:30:00 AM	59918						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURGBP.fx	1:30:00 PM	59919						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	EURGBP.fx	3:30:00 PM	59920						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD	9:30:00 AM	59921						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD	11:30:00 AM	59922						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD	1:30:00 PM	59923						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD	3:30:00 PM	59924						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD.fx	9:30:00 AM	59925						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD.fx	11:30:00 AM	59926						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD.fx	1:30:00 PM	59927						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHKD.fx	3:30:00 PM	59928						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF	9:30:00 AM	59929						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF	11:30:00 AM	59930						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF	1:30:00 PM	59931						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF	3:30:00 PM	59932						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF.fx	9:30:00 AM	59933						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF.fx	11:30:00 AM	59934						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF.fx	1:30:00 PM	59935						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURHUF.fx	3:30:00 PM	59936						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY	9:30:00 AM	59937						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY	11:30:00 AM	59938						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY	1:30:00 PM	59939						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY	3:30:00 PM	59940						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY.fx	9:30:00 AM	59941						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY.fx	11:30:00 AM	59942						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY.fx	1:30:00 PM	59943						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURJPY.fx	3:30:00 PM	59944						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN	9:30:00 AM	59945						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN	11:30:00 AM	59946						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN	1:30:00 PM	59947						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN	3:30:00 PM	59948						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN.fx	9:30:00 AM	59949						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN.fx	11:30:00 AM	59950						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN.fx	1:30:00 PM	59951						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURMXN.fx	3:30:00 PM	59952						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK	9:30:00 AM	59953						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	EURNOK	11:30:00 AM	59954						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK	1:30:00 PM	59955						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK	3:30:00 PM	59956						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK.fx	9:30:00 AM	59957						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK.fx	11:30:00 AM	59958						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK.fx	1:30:00 PM	59959						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNOK.fx	3:30:00 PM	59960						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD	9:30:00 AM	59961						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD	11:30:00 AM	59962						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD	1:30:00 PM	59963						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD	3:30:00 PM	59964						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD.fx	9:30:00 AM	59965						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD.fx	11:30:00 AM	59966						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD.fx	1:30:00 PM	59967						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURNZD.fx	3:30:00 PM	59968						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN	9:30:00 AM	59969						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN	11:30:00 AM	59970						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN	1:30:00 PM	59971						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN	3:30:00 PM	59972						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN.fx	9:30:00 AM	59973						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN.fx	11:30:00 AM	59974						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN.fx	1:30:00 PM	59975						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURPLN.fx	3:30:00 PM	59976						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURRUB	9:30:00 AM	59977						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURRUB	11:30:00 AM	59978						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURRUB	1:30:00 PM	59979						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURRUB	3:30:00 PM	59980						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK	9:30:00 AM	59981						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK	11:30:00 AM	59982						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK	1:30:00 PM	59983						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK	3:30:00 PM	59984						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK.fx	9:30:00 AM	59985						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK.fx	11:30:00 AM	59986						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSEK.fx	1:30:00 PM	59987						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	EURSEK.fx	3:30:00 PM	59988						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD	9:30:00 AM	59989						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD	11:30:00 AM	59990						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD	1:30:00 PM	59991						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD	3:30:00 PM	59992						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD.fx	9:30:00 AM	59993						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD.fx	11:30:00 AM	59994						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD.fx	1:30:00 PM	59995						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURSGD.fx	3:30:00 PM	59996						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD	9:30:00 AM	59997						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD	11:30:00 AM	59998						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD	1:30:00 PM	59999						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD	3:30:00 PM	60000						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD.fx	9:30:00 AM	60001						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD.fx	11:30:00 AM	60002						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD.fx	1:30:00 PM	60003						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURUSD.fx	3:30:00 PM	60004						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR	9:30:00 AM	60005						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR	11:30:00 AM	60006						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR	1:30:00 PM	60007						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR	3:30:00 PM	60008						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR.fx	9:30:00 AM	60009						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR.fx	11:30:00 AM	60010						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR.fx	1:30:00 PM	60011						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	EURZAR.fx	3:30:00 PM	60012						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD	9:30:00 AM	60013						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD	11:30:00 AM	60014						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD	1:30:00 PM	60015						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD	3:30:00 PM	60016						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD.fx	9:30:00 AM	60017						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD.fx	11:30:00 AM	60018						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD.fx	1:30:00 PM	60019						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPAUD.fx	3:30:00 PM	60020						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD	9:30:00 AM	60021						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	GBPCAD	11:30:00 AM	60022						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD	1:30:00 PM	60023						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD	3:30:00 PM	60024						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD.fx	9:30:00 AM	60025						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD.fx	11:30:00 AM	60026						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD.fx	1:30:00 PM	60027						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCAD.fx	3:30:00 PM	60028						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF	9:30:00 AM	60029						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF	11:30:00 AM	60030						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF	1:30:00 PM	60031						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF	3:30:00 PM	60032						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF.fx	9:30:00 AM	60033						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF.fx	11:30:00 AM	60034						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF.fx	1:30:00 PM	60035						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCHF.fx	3:30:00 PM	60036						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCZK	9:30:00 AM	60037						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCZK	11:30:00 AM	60038						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCZK	1:30:00 PM	60039						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPCZK	3:30:00 PM	60040						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK	9:30:00 AM	60041						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK	11:30:00 AM	60042						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK	1:30:00 PM	60043						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK	3:30:00 PM	60044						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK.fx	9:30:00 AM	60045						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK.fx	11:30:00 AM	60046						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK.fx	1:30:00 PM	60047						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPDKK.fx	3:30:00 PM	60048						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHKD	9:30:00 AM	60049						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHKD	11:30:00 AM	60050						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHKD	1:30:00 PM	60051						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHKD	3:30:00 PM	60052						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHUF	9:30:00 AM	60053						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHUF	11:30:00 AM	60054						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPHUF	1:30:00 PM	60055						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	GBPHUF	3:30:00 PM	60056						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY	9:30:00 AM	60057						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY	11:30:00 AM	60058						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY	1:30:00 PM	60059						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY	3:30:00 PM	60060						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY.fx	9:30:00 AM	60061						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY.fx	11:30:00 AM	60062						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY.fx	1:30:00 PM	60063						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPJPY.fx	3:30:00 PM	60064						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPMXN	9:30:00 AM	60065						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPMXN	11:30:00 AM	60066						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPMXN	1:30:00 PM	60067						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPMXN	3:30:00 PM	60068						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK	9:30:00 AM	60069						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK	11:30:00 AM	60070						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK	1:30:00 PM	60071						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK	3:30:00 PM	60072						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK.fx	9:30:00 AM	60073						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK.fx	11:30:00 AM	60074						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK.fx	1:30:00 PM	60075						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNOK.fx	3:30:00 PM	60076						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD	9:30:00 AM	60077						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD	11:30:00 AM	60078						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD	1:30:00 PM	60079						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD	3:30:00 PM	60080						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD.fx	9:30:00 AM	60081						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD.fx	11:30:00 AM	60082						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD.fx	1:30:00 PM	60083						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPNZD.fx	3:30:00 PM	60084						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN	9:30:00 AM	60085						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN	11:30:00 AM	60086						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN	1:30:00 PM	60087						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN	3:30:00 PM	60088						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN.fx	9:30:00 AM	60089						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	GBPPLN.fx	11:30:00 AM	60090						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN.fx	1:30:00 PM	60091						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPPLN.fx	3:30:00 PM	60092						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK	9:30:00 AM	60093						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK	11:30:00 AM	60094						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK	1:30:00 PM	60095						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK	3:30:00 PM	60096						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK.fx	9:30:00 AM	60097						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK.fx	11:30:00 AM	60098						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK.fx	1:30:00 PM	60099						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSEK.fx	3:30:00 PM	60100						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD	9:30:00 AM	60101						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD	11:30:00 AM	60102						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD	1:30:00 PM	60103						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD	3:30:00 PM	60104						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD.fx	9:30:00 AM	60105						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD.fx	11:30:00 AM	60106						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD.fx	1:30:00 PM	60107						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPSGD.fx	3:30:00 PM	60108						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD	9:30:00 AM	60109						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD	11:30:00 AM	60110						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD	1:30:00 PM	60111						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD	3:30:00 PM	60112						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD.fx	9:30:00 AM	60113						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD.fx	11:30:00 AM	60114						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD.fx	1:30:00 PM	60115						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPUSD.fx	3:30:00 PM	60116						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR	9:30:00 AM	60117						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR	11:30:00 AM	60118						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR	1:30:00 PM	60119						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR	3:30:00 PM	60120						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR.fx	9:30:00 AM	60121						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR.fx	11:30:00 AM	60122						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GBPZAR.fx	1:30:00 PM	60123						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	GBPZAR.fx	3:30:00 PM	60124						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GOLD	9:30:00 AM	60125						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GOLD	11:30:00 AM	60126						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GOLD	1:30:00 PM	60127						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	GOLD	3:30:00 PM	60128						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY	9:30:00 AM	60129						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY	11:30:00 AM	60130						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY	1:30:00 PM	60131						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY	3:30:00 PM	60132						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY.fx	9:30:00 AM	60133						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY.fx	11:30:00 AM	60134						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY.fx	1:30:00 PM	60135						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HKDJPY.fx	3:30:00 PM	60136						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HUFJPY	9:30:00 AM	60137						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HUFJPY	11:30:00 AM	60138						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HUFJPY	1:30:00 PM	60139						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	HUFJPY	3:30:00 PM	60140						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JP225.i	9:30:00 AM	60141						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JP225.i	11:30:00 AM	60142						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JP225.i	1:30:00 PM	60143						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JP225.i	3:30:00 PM	60144						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	MXNJPY	9:30:00 AM	60145						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	MXNJPY	11:30:00 AM	60146						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	MXNJPY	1:30:00 PM	60147						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	MXNJPY	3:30:00 PM	60148						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NASDAQ.i	9:30:00 AM	60149						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NASDAQ.i	11:30:00 AM	60150						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NASDAQ.i	1:30:00 PM	60151						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NASDAQ.i	3:30:00 PM	60152						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY	9:30:00 AM	60153						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY	11:30:00 AM	60154						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY	1:30:00 PM	60155						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY	3:30:00 PM	60156						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY.fx	9:30:00 AM	60157						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	NOKJPY.fx	11:30:00 AM	60158						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY.fx	1:30:00 PM	60159						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NOKJPY.fx	3:30:00 PM	60160						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD	9:30:00 AM	60161						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD	11:30:00 AM	60162						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD	1:30:00 PM	60163						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD	3:30:00 PM	60164						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD.fx	9:30:00 AM	60165						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD.fx	11:30:00 AM	60166						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD.fx	1:30:00 PM	60167						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCAD.fx	3:30:00 PM	60168						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF	9:30:00 AM	60169						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF	11:30:00 AM	60170						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF	1:30:00 PM	60171						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF	3:30:00 PM	60172						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF.fx	9:30:00 AM	60173						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF.fx	11:30:00 AM	60174						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF.fx	1:30:00 PM	60175						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCHF.fx	3:30:00 PM	60176						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCZK	9:30:00 AM	60177						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCZK	11:30:00 AM	60178						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCZK	1:30:00 PM	60179						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDCZK	3:30:00 PM	60180						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDDKK	9:30:00 AM	60181						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDDKK	11:30:00 AM	60182						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDDKK	1:30:00 PM	60183						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDDKK	3:30:00 PM	60184						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHKD	9:30:00 AM	60185						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHKD	11:30:00 AM	60186						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHKD	1:30:00 PM	60187						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHKD	3:30:00 PM	60188						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHUF	9:30:00 AM	60189						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHUF	11:30:00 AM	60190						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDHUF	1:30:00 PM	60191						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	NZDHUF	3:30:00 PM	60192						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY	9:30:00 AM	60193						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY	11:30:00 AM	60194						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY	1:30:00 PM	60195						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY	3:30:00 PM	60196						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY.fx	9:30:00 AM	60197						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY.fx	11:30:00 AM	60198						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY.fx	1:30:00 PM	60199						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDJPY.fx	3:30:00 PM	60200						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDMXN	9:30:00 AM	60201						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDMXN	11:30:00 AM	60202						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDMXN	1:30:00 PM	60203						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDMXN	3:30:00 PM	60204						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDNOK	9:30:00 AM	60205						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDNOK	11:30:00 AM	60206						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDNOK	1:30:00 PM	60207						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDNOK	3:30:00 PM	60208						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDPLN	9:30:00 AM	60209						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDPLN	11:30:00 AM	60210						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDPLN	1:30:00 PM	60211						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDPLN	3:30:00 PM	60212						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSEK	9:30:00 AM	60213						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSEK	11:30:00 AM	60214						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSEK	1:30:00 PM	60215						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSEK	3:30:00 PM	60216						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD	9:30:00 AM	60217						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD	11:30:00 AM	60218						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD	1:30:00 PM	60219						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD	3:30:00 PM	60220						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD.fx	9:30:00 AM	60221						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD.fx	11:30:00 AM	60222						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD.fx	1:30:00 PM	60223						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDSGD.fx	3:30:00 PM	60224						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD	9:30:00 AM	60225						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	NZDUSD	11:30:00 AM	60226						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD	1:30:00 PM	60227						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD	3:30:00 PM	60228						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD.fx	9:30:00 AM	60229						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD.fx	11:30:00 AM	60230						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD.fx	1:30:00 PM	60231						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDUSD.fx	3:30:00 PM	60232						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDZAR	9:30:00 AM	60233						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDZAR	11:30:00 AM	60234						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDZAR	1:30:00 PM	60235						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	NZDZAR	3:30:00 PM	60236						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY	9:30:00 AM	60237						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY	11:30:00 AM	60238						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY	1:30:00 PM	60239						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY	3:30:00 PM	60240						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY.fx	9:30:00 AM	60241						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY.fx	11:30:00 AM	60242						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY.fx	1:30:00 PM	60243						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SEKJPY.fx	3:30:00 PM	60244						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SGDJPY	9:30:00 AM	60245						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SGDJPY	11:30:00 AM	60246						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SGDJPY	1:30:00 PM	60247						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SGDJPY	3:30:00 PM	60248						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SILVER	9:30:00 AM	60249						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SILVER	11:30:00 AM	60250						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SILVER	1:30:00 PM	60251						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SILVER	3:30:00 PM	60252						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SPX500.i	9:30:00 AM	60253						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SPX500.i	11:30:00 AM	60254						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SPX500.i	1:30:00 PM	60255						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	SPX500.i	3:30:00 PM	60256						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	UK100.i	9:30:00 AM	60257						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	UK100.i	11:30:00 AM	60258						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	UK100.i	1:30:00 PM	60259						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	UK100.i	3:30:00 PM	60260						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD	9:30:00 AM	60261						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD	11:30:00 AM	60262						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD	1:30:00 PM	60263						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD	3:30:00 PM	60264						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD.fx	9:30:00 AM	60265						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD.fx	11:30:00 AM	60266						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD.fx	1:30:00 PM	60267						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCAD.fx	3:30:00 PM	60268						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF	9:30:00 AM	60269						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF	11:30:00 AM	60270						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF	1:30:00 PM	60271						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF	3:30:00 PM	60272						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF.fx	9:30:00 AM	60273						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF.fx	11:30:00 AM	60274						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF.fx	1:30:00 PM	60275						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCHF.fx	3:30:00 PM	60276						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK	9:30:00 AM	60277						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK	11:30:00 AM	60278						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK	1:30:00 PM	60279						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK	3:30:00 PM	60280						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK.fx	9:30:00 AM	60281						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK.fx	11:30:00 AM	60282						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK.fx	1:30:00 PM	60283						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDCZK.fx	3:30:00 PM	60284						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK	9:30:00 AM	60285						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK	11:30:00 AM	60286						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK	1:30:00 PM	60287						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK	3:30:00 PM	60288						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK.fx	9:30:00 AM	60289						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK.fx	11:30:00 AM	60290						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK.fx	1:30:00 PM	60291						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDDKK.fx	3:30:00 PM	60292						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD	9:30:00 AM	60293						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	USDHKD	11:30:00 AM	60294						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD	1:30:00 PM	60295						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD	3:30:00 PM	60296						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD.fx	9:30:00 AM	60297						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD.fx	11:30:00 AM	60298						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD.fx	1:30:00 PM	60299						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHKD.fx	3:30:00 PM	60300						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF	9:30:00 AM	60301						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF	11:30:00 AM	60302						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF	1:30:00 PM	60303						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF	3:30:00 PM	60304						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF.fx	9:30:00 AM	60305						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF.fx	11:30:00 AM	60306						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF.fx	1:30:00 PM	60307						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDHUF.fx	3:30:00 PM	60308						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDINR	9:30:00 AM	60309						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDINR	11:30:00 AM	60310						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDINR	1:30:00 PM	60311						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDINR	3:30:00 PM	60312						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY	9:30:00 AM	60313						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY	11:30:00 AM	60314						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY	1:30:00 PM	60315						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY	3:30:00 PM	60316						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY.fx	9:30:00 AM	60317						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY.fx	11:30:00 AM	60318						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY.fx	1:30:00 PM	60319						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDJPY.fx	3:30:00 PM	60320						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDMXN	9:30:00 AM	60321						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDMXN	11:30:00 AM	60322						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDMXN	1:30:00 PM	60323						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDMXN	3:30:00 PM	60324						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JSDMXN.fx	9:30:00 AM	60325						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JSDMXN.fx	11:30:00 AM	60326						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	JSDMXN.fx	1:30:00 PM	60327						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	USDMXN.fx	3:30:00 PM	60328						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK	9:30:00 AM	60329						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK	11:30:00 AM	60330						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK	1:30:00 PM	60331						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK	3:30:00 PM	60332						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK.fx	9:30:00 AM	60333						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK.fx	11:30:00 AM	60334						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK.fx	1:30:00 PM	60335						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDNOK.fx	3:30:00 PM	60336						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN	9:30:00 AM	60337						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN	11:30:00 AM	60338						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN	1:30:00 PM	60339						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN	3:30:00 PM	60340						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN.fx	9:30:00 AM	60341						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN.fx	11:30:00 AM	60342						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN.fx	1:30:00 PM	60343						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDPLN.fx	3:30:00 PM	60344						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDRUB	9:30:00 AM	60345						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDRUB	11:30:00 AM	60346						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDRUB	1:30:00 PM	60347						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDRUB	3:30:00 PM	60348						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK	9:30:00 AM	60349						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK	11:30:00 AM	60350						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK	1:30:00 PM	60351						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK	3:30:00 PM	60352						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK.fx	9:30:00 AM	60353						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK.fx	11:30:00 AM	60354						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK.fx	1:30:00 PM	60355						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSEK.fx	3:30:00 PM	60356						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD	9:30:00 AM	60357						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD	11:30:00 AM	60358						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD	1:30:00 PM	60359						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD	3:30:00 PM	60360						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD.fx	9:30:00 AM	60361						Continuous Quote	N/A	ELECTRONIC	N/A

11/20/2019	USDSGD.fx	11:30:00 AM	60362						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD.fx	1:30:00 PM	60363						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDSGD.fx	3:30:00 PM	60364						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR	9:30:00 AM	60365						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR	11:30:00 AM	60366						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR	1:30:00 PM	60367						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR	3:30:00 PM	60368						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR.fx	9:30:00 AM	60369						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR.fx	11:30:00 AM	60370						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR.fx	1:30:00 PM	60371						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	USDZAR.fx	3:30:00 PM	60372						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	XAUUSD	9:30:00 AM	60373						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	XAUUSD	11:30:00 AM	60374						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	XAUUSD	1:30:00 PM	60375						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	XAUUSD	3:30:00 PM	60376						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY	9:30:00 AM	60377						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY	11:30:00 AM	60378						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY	1:30:00 PM	60379						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY	3:30:00 PM	60380						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY.fx	9:30:00 AM	60381						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY.fx	11:30:00 AM	60382						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY.fx	1:30:00 PM	60383						Continuous Quote	N/A	ELECTRONIC	N/A
11/20/2019	ZARJPY.fx	3:30:00 PM	60384						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AA	9:30:00 AM	60385						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AA	11:30:00 AM	60386						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AA	1:30:00 PM	60387						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AA	3:30:00 PM	60388						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AABA	9:30:00 AM	60389						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AABA	11:30:00 AM	60390						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AABA	1:30:00 PM	60391						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AABA	3:30:00 PM	60392						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAL	9:30:00 AM	60393						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAL	11:30:00 AM	60394						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAL	1:30:00 PM	60395						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	#AAL	3:30:00 PM	60396						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAPL	9:30:00 AM	60397						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAPL	11:30:00 AM	60398						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAPL	1:30:00 PM	60399						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AAPL	3:30:00 PM	60400						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#ADBE	9:30:00 AM	60401						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#ADBE	11:30:00 AM	60402						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#ADBE	1:30:00 PM	60403						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#ADBE	3:30:00 PM	60404						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AIG	9:30:00 AM	60405						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AIG	11:30:00 AM	60406						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AIG	1:30:00 PM	60407						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AIG	3:30:00 PM	60408						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMD	9:30:00 AM	60409						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMD	11:30:00 AM	60410						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMD	1:30:00 PM	60411						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMD	3:30:00 PM	60412						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMZN	9:30:00 AM	60413						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMZN	11:30:00 AM	60414						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMZN	1:30:00 PM	60415						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AMZN	3:30:00 PM	60416						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AXP	9:30:00 AM	60417						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AXP	11:30:00 AM	60418						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AXP	1:30:00 PM	60419						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#AXP	3:30:00 PM	60420						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BA	9:30:00 AM	60421						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BA	11:30:00 AM	60422						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BA	1:30:00 PM	60423						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BA	3:30:00 PM	60424						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BABA	9:30:00 AM	60425						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BABA	11:30:00 AM	60426						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BABA	1:30:00 PM	60427						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BABA	3:30:00 PM	60428						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BAC	9:30:00 AM	60429						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	#BAC	11:30:00 AM	60430						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BAC	1:30:00 PM	60431						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BAC	3:30:00 PM	60432						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BARC	9:30:00 AM	60433						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BARC	11:30:00 AM	60434						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BARC	1:30:00 PM	60435						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BARC	3:30:00 PM	60436						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BHP	9:30:00 AM	60437						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BHP	11:30:00 AM	60438						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BHP	1:30:00 PM	60439						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BHP	3:30:00 PM	60440						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BIDU	9:30:00 AM	60441						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BIDU	11:30:00 AM	60442						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BIDU	1:30:00 PM	60443						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BIDU	3:30:00 PM	60444						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#Bitcoin	9:30:00 AM	60445						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#Bitcoin	11:30:00 AM	60446						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#Bitcoin	1:30:00 PM	60447						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#Bitcoin	3:30:00 PM	60448						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BK	9:30:00 AM	60449						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BK	11:30:00 AM	60450						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BK	1:30:00 PM	60451						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BK	3:30:00 PM	60452						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BLT	9:30:00 AM	60453						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BLT	11:30:00 AM	60454						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BLT	1:30:00 PM	60455						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BLT	3:30:00 PM	60456						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BP	9:30:00 AM	60457						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BP	11:30:00 AM	60458						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BP	1:30:00 PM	60459						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BP	3:30:00 PM	60460						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BTA	9:30:00 AM	60461						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BTA	11:30:00 AM	60462						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#BTA	1:30:00 PM	60463						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	#BTA	3:30:00 PM	60464						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#C	9:30:00 AM	60465						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#C	11:30:00 AM	60466						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#C	1:30:00 PM	60467						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#C	3:30:00 PM	60468						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CAT	9:30:00 AM	60469						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CAT	11:30:00 AM	60470						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CAT	1:30:00 PM	60471						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CAT	3:30:00 PM	60472						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CHL	9:30:00 AM	60473						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CHL	11:30:00 AM	60474						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CHL	1:30:00 PM	60475						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CHL	3:30:00 PM	60476						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CL.f	9:30:00 AM	60477						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#CL.f	11:30:00 AM	60478						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	#ORCL	9:30:00 AM	60697						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	#QCOM	1:30:00 PM	60723						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	#QCOM	3:30:00 PM	60724						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	#SBUX	3:30:00 PM	60740						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	#TRV	3:30:00 PM	60764						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	#UBS	3:30:00 PM	60780						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	AUDNZD	1:30:00 PM	60883						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDNZD	3:30:00 PM	60884						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDNZD.fx	9:30:00 AM	60885						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDNZD.fx	11:30:00 AM	60886						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDNZD.fx	1:30:00 PM	60887						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDNZD.fx	3:30:00 PM	60888						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDPLN	9:30:00 AM	60889						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDPLN	11:30:00 AM	60890						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDPLN	1:30:00 PM	60891						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDPLN	3:30:00 PM	60892						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK	9:30:00 AM	60893						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK	11:30:00 AM	60894						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK	1:30:00 PM	60895						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK	3:30:00 PM	60896						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK.fx	9:30:00 AM	60897						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK.fx	11:30:00 AM	60898						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK.fx	1:30:00 PM	60899						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSEK.fx	3:30:00 PM	60900						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD	9:30:00 AM	60901						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD	11:30:00 AM	60902						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD	1:30:00 PM	60903						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD	3:30:00 PM	60904						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD.fx	9:30:00 AM	60905						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	AUDSGD.fx	11:30:00 AM	60906						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD.fx	1:30:00 PM	60907						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDSGD.fx	3:30:00 PM	60908						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD	9:30:00 AM	60909						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD	11:30:00 AM	60910						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD	1:30:00 PM	60911						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD	3:30:00 PM	60912						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD.fx	9:30:00 AM	60913						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD.fx	11:30:00 AM	60914						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD.fx	1:30:00 PM	60915						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDUSD.fx	3:30:00 PM	60916						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDZAR	9:30:00 AM	60917						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDZAR	11:30:00 AM	60918						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDZAR	1:30:00 PM	60919						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUDZAR	3:30:00 PM	60920						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUS200.i	9:30:00 AM	60921						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUS200.i	11:30:00 AM	60922						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUS200.i	1:30:00 PM	60923						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	AUS200.i	3:30:00 PM	60924						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	BCHUSD	9:30:00 AM	60925						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	BCHUSD	11:30:00 AM	60926						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	BCHUSD	1:30:00 PM	60927						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	BCHUSD	3:30:00 PM	60928						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF	9:30:00 AM	60929						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF	11:30:00 AM	60930						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF	1:30:00 PM	60931						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF	3:30:00 PM	60932						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF.fx	9:30:00 AM	60933						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF.fx	11:30:00 AM	60934						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF.fx	1:30:00 PM	60935						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCHF.fx	3:30:00 PM	60936						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCZK	9:30:00 AM	60937						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCZK	11:30:00 AM	60938						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADCZK	1:30:00 PM	60939						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	CADCZK	3:30:00 PM	60940						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADDDK	9:30:00 AM	60941						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADDDK	11:30:00 AM	60942						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADDDK	1:30:00 PM	60943						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADDDK	3:30:00 PM	60944						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHKD	9:30:00 AM	60945						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHKD	11:30:00 AM	60946						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHKD	1:30:00 PM	60947						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHKD	3:30:00 PM	60948						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHUF	9:30:00 AM	60949						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHUF	11:30:00 AM	60950						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHUF	1:30:00 PM	60951						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADHUF	3:30:00 PM	60952						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY	9:30:00 AM	60953						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY	11:30:00 AM	60954						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY	1:30:00 PM	60955						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY	3:30:00 PM	60956						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY.fx	9:30:00 AM	60957						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY.fx	11:30:00 AM	60958						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY.fx	1:30:00 PM	60959						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADJPY.fx	3:30:00 PM	60960						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADMXN	9:30:00 AM	60961						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADMXN	11:30:00 AM	60962						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADMXN	1:30:00 PM	60963						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADMXN	3:30:00 PM	60964						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADNOK	9:30:00 AM	60965						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADNOK	11:30:00 AM	60966						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADNOK	1:30:00 PM	60967						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADNOK	3:30:00 PM	60968						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADPLN	9:30:00 AM	60969						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADPLN	11:30:00 AM	60970						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADPLN	1:30:00 PM	60971						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADPLN	3:30:00 PM	60972						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSEK	9:30:00 AM	60973						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	CADSEK	11:30:00 AM	60974						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSEK	1:30:00 PM	60975						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSEK	3:30:00 PM	60976						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSGD	9:30:00 AM	60977						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSGD	11:30:00 AM	60978						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSGD	1:30:00 PM	60979						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADSGD	3:30:00 PM	60980						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADZAR	9:30:00 AM	60981						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADZAR	11:30:00 AM	60982						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADZAR	1:30:00 PM	60983						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CADZAR	3:30:00 PM	60984						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFCZK	9:30:00 AM	60985						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFCZK	11:30:00 AM	60986						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFCZK	1:30:00 PM	60987						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFCZK	3:30:00 PM	60988						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK	9:30:00 AM	60989						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK	11:30:00 AM	60990						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK	1:30:00 PM	60991						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK	3:30:00 PM	60992						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK.fx	9:30:00 AM	60993						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK.fx	11:30:00 AM	60994						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK.fx	1:30:00 PM	60995						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFDKK.fx	3:30:00 PM	60996						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHKD	9:30:00 AM	60997						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHKD	11:30:00 AM	60998						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHKD	1:30:00 PM	60999						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHKD	3:30:00 PM	61000						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHUF	9:30:00 AM	61001						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHUF	11:30:00 AM	61002						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHUF	1:30:00 PM	61003						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFHUF	3:30:00 PM	61004						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY	9:30:00 AM	61005						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY	11:30:00 AM	61006						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY	1:30:00 PM	61007						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	CHFJPY	3:30:00 PM	61008						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY.fx	9:30:00 AM	61009						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY.fx	11:30:00 AM	61010						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY.fx	1:30:00 PM	61011						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFJPY.fx	3:30:00 PM	61012						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFMXN	9:30:00 AM	61013						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFMXN	11:30:00 AM	61014						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFMXN	1:30:00 PM	61015						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFMXN	3:30:00 PM	61016						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK	9:30:00 AM	61017						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK	11:30:00 AM	61018						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK	1:30:00 PM	61019						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK	3:30:00 PM	61020						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK.fx	9:30:00 AM	61021						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK.fx	11:30:00 AM	61022						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK.fx	1:30:00 PM	61023						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFNOK.fx	3:30:00 PM	61024						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN	9:30:00 AM	61025						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN	11:30:00 AM	61026						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN	1:30:00 PM	61027						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN	3:30:00 PM	61028						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN.fx	9:30:00 AM	61029						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN.fx	11:30:00 AM	61030						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN.fx	1:30:00 PM	61031						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFPLN.fx	3:30:00 PM	61032						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSEK	9:30:00 AM	61033						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSEK	11:30:00 AM	61034						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSEK	1:30:00 PM	61035						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSEK	3:30:00 PM	61036						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD	9:30:00 AM	61037						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD	11:30:00 AM	61038						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD	1:30:00 PM	61039						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD	3:30:00 PM	61040						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD.fx	9:30:00 AM	61041						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	CHFSGD.fx	11:30:00 AM	61042						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD.fx	1:30:00 PM	61043						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFSGD.fx	3:30:00 PM	61044						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFZAR	9:30:00 AM	61045						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFZAR	11:30:00 AM	61046						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFZAR	1:30:00 PM	61047						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CHFZAR	3:30:00 PM	61048						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CZKJPY	9:30:00 AM	61049						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CZKJPY	11:30:00 AM	61050						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CZKJPY	1:30:00 PM	61051						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	CZKJPY	3:30:00 PM	61052						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DAX30.i	9:30:00 AM	61053						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DAX30.i	11:30:00 AM	61054						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DAX30.i	1:30:00 PM	61055						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DAX30.i	3:30:00 PM	61056						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DJ30.i	9:30:00 AM	61057						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DJ30.i	11:30:00 AM	61058						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DJ30.i	1:30:00 PM	61059						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DJ30.i	3:30:00 PM	61060						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DKKJPY	9:30:00 AM	61061						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DKKJPY	11:30:00 AM	61062						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DKKJPY	1:30:00 PM	61063						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	DKKJPY	3:30:00 PM	61064						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD	9:30:00 AM	61065						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD	11:30:00 AM	61066						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD	1:30:00 PM	61067						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD	3:30:00 PM	61068						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD.fx	9:30:00 AM	61069						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD.fx	11:30:00 AM	61070						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD.fx	1:30:00 PM	61071						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURAUD.fx	3:30:00 PM	61072						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD	9:30:00 AM	61073						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD	11:30:00 AM	61074						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD	1:30:00 PM	61075						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	EURCAD	3:30:00 PM	61076						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD.fx	9:30:00 AM	61077						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD.fx	11:30:00 AM	61078						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD.fx	1:30:00 PM	61079						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCAD.fx	3:30:00 PM	61080						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF	9:30:00 AM	61081						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF	11:30:00 AM	61082						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF	1:30:00 PM	61083						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF	3:30:00 PM	61084						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF.fx	9:30:00 AM	61085						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF.fx	11:30:00 AM	61086						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF.fx	1:30:00 PM	61087						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCHF.fx	3:30:00 PM	61088						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCZK	9:30:00 AM	61089						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCZK	11:30:00 AM	61090						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCZK	1:30:00 PM	61091						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURCZK	3:30:00 PM	61092						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURDKK	9:30:00 AM	61093						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURDKK	11:30:00 AM	61094						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURDKK	1:30:00 PM	61095						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURDKK	3:30:00 PM	61096						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP	9:30:00 AM	61097						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP	11:30:00 AM	61098						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP	1:30:00 PM	61099						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP	3:30:00 PM	61100						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP.fx	9:30:00 AM	61101						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP.fx	11:30:00 AM	61102						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP.fx	1:30:00 PM	61103						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURGBP.fx	3:30:00 PM	61104						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD	9:30:00 AM	61105						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD	11:30:00 AM	61106						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD	1:30:00 PM	61107						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD	3:30:00 PM	61108						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD.fx	9:30:00 AM	61109						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	EURHKD.fx	11:30:00 AM	61110						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD.fx	1:30:00 PM	61111						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHKD.fx	3:30:00 PM	61112						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF	9:30:00 AM	61113						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF	11:30:00 AM	61114						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF	1:30:00 PM	61115						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF	3:30:00 PM	61116						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF.fx	9:30:00 AM	61117						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF.fx	11:30:00 AM	61118						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF.fx	1:30:00 PM	61119						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURHUF.fx	3:30:00 PM	61120						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY	9:30:00 AM	61121						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY	11:30:00 AM	61122						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY	1:30:00 PM	61123						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY	3:30:00 PM	61124						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY.fx	9:30:00 AM	61125						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY.fx	11:30:00 AM	61126						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY.fx	1:30:00 PM	61127						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURJPY.fx	3:30:00 PM	61128						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN	9:30:00 AM	61129						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN	11:30:00 AM	61130						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN	1:30:00 PM	61131						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN	3:30:00 PM	61132						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN.fx	9:30:00 AM	61133						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN.fx	11:30:00 AM	61134						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN.fx	1:30:00 PM	61135						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURMXN.fx	3:30:00 PM	61136						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK	9:30:00 AM	61137						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK	11:30:00 AM	61138						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK	1:30:00 PM	61139						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK	3:30:00 PM	61140						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK.fx	9:30:00 AM	61141						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK.fx	11:30:00 AM	61142						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNOK.fx	1:30:00 PM	61143						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	EURNOK.fx	3:30:00 PM	61144						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD	9:30:00 AM	61145						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD	11:30:00 AM	61146						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD	1:30:00 PM	61147						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD	3:30:00 PM	61148						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD.fx	9:30:00 AM	61149						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD.fx	11:30:00 AM	61150						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD.fx	1:30:00 PM	61151						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURNZD.fx	3:30:00 PM	61152						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN	9:30:00 AM	61153						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN	11:30:00 AM	61154						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN	1:30:00 PM	61155						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN	3:30:00 PM	61156						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN.fx	9:30:00 AM	61157						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN.fx	11:30:00 AM	61158						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN.fx	1:30:00 PM	61159						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURPLN.fx	3:30:00 PM	61160						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURRUB	9:30:00 AM	61161						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURRUB	11:30:00 AM	61162						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURRUB	1:30:00 PM	61163						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURRUB	3:30:00 PM	61164						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK	9:30:00 AM	61165						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK	11:30:00 AM	61166						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK	1:30:00 PM	61167						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK	3:30:00 PM	61168						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK.fx	9:30:00 AM	61169						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK.fx	11:30:00 AM	61170						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK.fx	1:30:00 PM	61171						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSEK.fx	3:30:00 PM	61172						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD	9:30:00 AM	61173						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD	11:30:00 AM	61174						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD	1:30:00 PM	61175						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD	3:30:00 PM	61176						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD.fx	9:30:00 AM	61177						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	EURSGD.fx	11:30:00 AM	61178						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD.fx	1:30:00 PM	61179						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURSGD.fx	3:30:00 PM	61180						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD	9:30:00 AM	61181						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD	11:30:00 AM	61182						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD	1:30:00 PM	61183						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD	3:30:00 PM	61184						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD.fx	9:30:00 AM	61185						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD.fx	11:30:00 AM	61186						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD.fx	1:30:00 PM	61187						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURUSD.fx	3:30:00 PM	61188						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR	9:30:00 AM	61189						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR	11:30:00 AM	61190						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR	1:30:00 PM	61191						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR	3:30:00 PM	61192						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR.fx	9:30:00 AM	61193						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR.fx	11:30:00 AM	61194						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR.fx	1:30:00 PM	61195						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	EURZAR.fx	3:30:00 PM	61196						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD	9:30:00 AM	61197						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD	11:30:00 AM	61198						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD	1:30:00 PM	61199						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD	3:30:00 PM	61200						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD.fx	9:30:00 AM	61201						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD.fx	11:30:00 AM	61202						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD.fx	1:30:00 PM	61203						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPAUD.fx	3:30:00 PM	61204						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD	9:30:00 AM	61205						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD	11:30:00 AM	61206						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD	1:30:00 PM	61207						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD	3:30:00 PM	61208						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD.fx	9:30:00 AM	61209						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD.fx	11:30:00 AM	61210						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCAD.fx	1:30:00 PM	61211						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	GBPCAD.fx	3:30:00 PM	61212						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF	9:30:00 AM	61213						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF	11:30:00 AM	61214						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF	1:30:00 PM	61215						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF	3:30:00 PM	61216						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF.fx	9:30:00 AM	61217						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF.fx	11:30:00 AM	61218						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF.fx	1:30:00 PM	61219						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCHF.fx	3:30:00 PM	61220						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCZK	9:30:00 AM	61221						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCZK	11:30:00 AM	61222						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCZK	1:30:00 PM	61223						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPCZK	3:30:00 PM	61224						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK	9:30:00 AM	61225						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK	11:30:00 AM	61226						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK	1:30:00 PM	61227						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK	3:30:00 PM	61228						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK.fx	9:30:00 AM	61229						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK.fx	11:30:00 AM	61230						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK.fx	1:30:00 PM	61231						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPDKK.fx	3:30:00 PM	61232						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHKD	9:30:00 AM	61233						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHKD	11:30:00 AM	61234						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHKD	1:30:00 PM	61235						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHKD	3:30:00 PM	61236						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHUF	9:30:00 AM	61237						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHUF	11:30:00 AM	61238						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHUF	1:30:00 PM	61239						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPHUF	3:30:00 PM	61240						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY	9:30:00 AM	61241						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY	11:30:00 AM	61242						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY	1:30:00 PM	61243						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY	3:30:00 PM	61244						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY.fx	9:30:00 AM	61245						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	GBPJPY.fx	11:30:00 AM	61246						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY.fx	1:30:00 PM	61247						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPJPY.fx	3:30:00 PM	61248						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPMXN	9:30:00 AM	61249						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPMXN	11:30:00 AM	61250						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPMXN	1:30:00 PM	61251						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPMXN	3:30:00 PM	61252						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK	9:30:00 AM	61253						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK	11:30:00 AM	61254						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK	1:30:00 PM	61255						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK	3:30:00 PM	61256						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK.fx	9:30:00 AM	61257						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK.fx	11:30:00 AM	61258						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK.fx	1:30:00 PM	61259						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNOK.fx	3:30:00 PM	61260						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD	9:30:00 AM	61261						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD	11:30:00 AM	61262						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD	1:30:00 PM	61263						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD	3:30:00 PM	61264						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD.fx	9:30:00 AM	61265						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD.fx	11:30:00 AM	61266						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD.fx	1:30:00 PM	61267						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPNZD.fx	3:30:00 PM	61268						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN	9:30:00 AM	61269						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN	11:30:00 AM	61270						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN	1:30:00 PM	61271						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN	3:30:00 PM	61272						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN.fx	9:30:00 AM	61273						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN.fx	11:30:00 AM	61274						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN.fx	1:30:00 PM	61275						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPPLN.fx	3:30:00 PM	61276						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK	9:30:00 AM	61277						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK	11:30:00 AM	61278						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK	1:30:00 PM	61279						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	GBPSEK	3:30:00 PM	61280						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK.fx	9:30:00 AM	61281						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK.fx	11:30:00 AM	61282						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK.fx	1:30:00 PM	61283						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSEK.fx	3:30:00 PM	61284						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD	9:30:00 AM	61285						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD	11:30:00 AM	61286						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD	1:30:00 PM	61287						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD	3:30:00 PM	61288						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD.fx	9:30:00 AM	61289						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD.fx	11:30:00 AM	61290						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD.fx	1:30:00 PM	61291						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPSGD.fx	3:30:00 PM	61292						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD	9:30:00 AM	61293						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD	11:30:00 AM	61294						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD	1:30:00 PM	61295						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD	3:30:00 PM	61296						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD.fx	9:30:00 AM	61297						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD.fx	11:30:00 AM	61298						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD.fx	1:30:00 PM	61299						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPUSD.fx	3:30:00 PM	61300						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR	9:30:00 AM	61301						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR	11:30:00 AM	61302						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR	1:30:00 PM	61303						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR	3:30:00 PM	61304						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR.fx	9:30:00 AM	61305						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR.fx	11:30:00 AM	61306						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR.fx	1:30:00 PM	61307						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GBPZAR.fx	3:30:00 PM	61308						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GOLD	9:30:00 AM	61309						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GOLD	11:30:00 AM	61310						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GOLD	1:30:00 PM	61311						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	GOLD	3:30:00 PM	61312						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY	9:30:00 AM	61313						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	HKDJPY	11:30:00 AM	61314						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY	1:30:00 PM	61315						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY	3:30:00 PM	61316						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY.fx	9:30:00 AM	61317						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY.fx	11:30:00 AM	61318						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY.fx	1:30:00 PM	61319						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HKDJPY.fx	3:30:00 PM	61320						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HUFJPY	9:30:00 AM	61321						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HUFJPY	11:30:00 AM	61322						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HUFJPY	1:30:00 PM	61323						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	HUFJPY	3:30:00 PM	61324						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JP225.i	9:30:00 AM	61325						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JP225.i	11:30:00 AM	61326						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JP225.i	1:30:00 PM	61327						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JP225.i	3:30:00 PM	61328						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	MXNJPY	9:30:00 AM	61329						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	MXNJPY	11:30:00 AM	61330						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	MXNJPY	1:30:00 PM	61331						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	MXNJPY	3:30:00 PM	61332						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NASDAQ.i	9:30:00 AM	61333						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NASDAQ.i	11:30:00 AM	61334						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NASDAQ.i	1:30:00 PM	61335						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NASDAQ.i	3:30:00 PM	61336						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY	9:30:00 AM	61337						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY	11:30:00 AM	61338						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY	1:30:00 PM	61339						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY	3:30:00 PM	61340						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY.fx	9:30:00 AM	61341						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY.fx	11:30:00 AM	61342						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY.fx	1:30:00 PM	61343						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NOKJPY.fx	3:30:00 PM	61344						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD	9:30:00 AM	61345						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD	11:30:00 AM	61346						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD	1:30:00 PM	61347						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	NZDCAD	3:30:00 PM	61348						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD.fx	9:30:00 AM	61349						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD.fx	11:30:00 AM	61350						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD.fx	1:30:00 PM	61351						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCAD.fx	3:30:00 PM	61352						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF	9:30:00 AM	61353						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF	11:30:00 AM	61354						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF	1:30:00 PM	61355						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF	3:30:00 PM	61356						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF.fx	9:30:00 AM	61357						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF.fx	11:30:00 AM	61358						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF.fx	1:30:00 PM	61359						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCHF.fx	3:30:00 PM	61360						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCZK	9:30:00 AM	61361						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCZK	11:30:00 AM	61362						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCZK	1:30:00 PM	61363						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDCZK	3:30:00 PM	61364						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDDKK	9:30:00 AM	61365						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDDKK	11:30:00 AM	61366						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDDKK	1:30:00 PM	61367						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDDKK	3:30:00 PM	61368						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHKD	9:30:00 AM	61369						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHKD	11:30:00 AM	61370						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHKD	1:30:00 PM	61371						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHKD	3:30:00 PM	61372						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHUF	9:30:00 AM	61373						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHUF	11:30:00 AM	61374						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHUF	1:30:00 PM	61375						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDHUF	3:30:00 PM	61376						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY	9:30:00 AM	61377						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY	11:30:00 AM	61378						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY	1:30:00 PM	61379						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY	3:30:00 PM	61380						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY.fx	9:30:00 AM	61381						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	NZDJPY.fx	11:30:00 AM	61382						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY.fx	1:30:00 PM	61383						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDJPY.fx	3:30:00 PM	61384						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDMXN	9:30:00 AM	61385						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDMXN	11:30:00 AM	61386						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDMXN	1:30:00 PM	61387						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDMXN	3:30:00 PM	61388						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDNOK	9:30:00 AM	61389						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDNOK	11:30:00 AM	61390						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDNOK	1:30:00 PM	61391						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDNOK	3:30:00 PM	61392						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDPLN	9:30:00 AM	61393						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDPLN	11:30:00 AM	61394						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDPLN	1:30:00 PM	61395						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDPLN	3:30:00 PM	61396						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSEK	9:30:00 AM	61397						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSEK	11:30:00 AM	61398						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSEK	1:30:00 PM	61399						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSEK	3:30:00 PM	61400						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD	9:30:00 AM	61401						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD	11:30:00 AM	61402						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD	1:30:00 PM	61403						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD	3:30:00 PM	61404						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD.fx	9:30:00 AM	61405						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD.fx	11:30:00 AM	61406						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD.fx	1:30:00 PM	61407						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDSGD.fx	3:30:00 PM	61408						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD	9:30:00 AM	61409						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD	11:30:00 AM	61410						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD	1:30:00 PM	61411						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD	3:30:00 PM	61412						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD.fx	9:30:00 AM	61413						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD.fx	11:30:00 AM	61414						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDUSD.fx	1:30:00 PM	61415						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	NZDUSD.fx	3:30:00 PM	61416						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDZAR	9:30:00 AM	61417						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDZAR	11:30:00 AM	61418						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDZAR	1:30:00 PM	61419						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	NZDZAR	3:30:00 PM	61420						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY	9:30:00 AM	61421						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY	11:30:00 AM	61422						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY	1:30:00 PM	61423						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY	3:30:00 PM	61424						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY.fx	9:30:00 AM	61425						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY.fx	11:30:00 AM	61426						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY.fx	1:30:00 PM	61427						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SEKJPY.fx	3:30:00 PM	61428						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SGDJPY	9:30:00 AM	61429						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SGDJPY	11:30:00 AM	61430						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SGDJPY	1:30:00 PM	61431						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SGDJPY	3:30:00 PM	61432						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SILVER	9:30:00 AM	61433						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SILVER	11:30:00 AM	61434						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SILVER	1:30:00 PM	61435						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SILVER	3:30:00 PM	61436						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SPX500.i	9:30:00 AM	61437						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SPX500.i	11:30:00 AM	61438						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SPX500.i	1:30:00 PM	61439						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	SPX500.i	3:30:00 PM	61440						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	UK100.i	9:30:00 AM	61441						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	UK100.i	11:30:00 AM	61442						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	UK100.i	1:30:00 PM	61443						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	UK100.i	3:30:00 PM	61444						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD	9:30:00 AM	61445						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD	11:30:00 AM	61446						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD	1:30:00 PM	61447						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD	3:30:00 PM	61448						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD.fx	9:30:00 AM	61449						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	USDCAD.fx	11:30:00 AM	61450						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD.fx	1:30:00 PM	61451						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCAD.fx	3:30:00 PM	61452						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF	9:30:00 AM	61453						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF	11:30:00 AM	61454						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF	1:30:00 PM	61455						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF	3:30:00 PM	61456						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF.fx	9:30:00 AM	61457						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCHF.fx	11:30:00 AM	61458						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	USDCHF.fx	3:30:00 PM	61460						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK	9:30:00 AM	61461						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK	11:30:00 AM	61462						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK	1:30:00 PM	61463						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK	3:30:00 PM	61464						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK.fx	9:30:00 AM	61465						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK.fx	11:30:00 AM	61466						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK.fx	1:30:00 PM	61467						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDCZK.fx	3:30:00 PM	61468						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK	9:30:00 AM	61469						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK	11:30:00 AM	61470						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK	1:30:00 PM	61471						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK	3:30:00 PM	61472						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK.fx	9:30:00 AM	61473						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK.fx	11:30:00 AM	61474						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK.fx	1:30:00 PM	61475						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDDKK.fx	3:30:00 PM	61476						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD	9:30:00 AM	61477						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD	11:30:00 AM	61478						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD	1:30:00 PM	61479						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD	3:30:00 PM	61480						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD.fx	9:30:00 AM	61481						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD.fx	11:30:00 AM	61482						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHKD.fx	1:30:00 PM	61483						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	USDHKD.fx	3:30:00 PM	61484						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	USDHUF	11:30:00 AM	61486						Continuous Quote	N/A	ELECTRONIC	N/A
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11/21/2019	USDHUF	3:30:00 PM	61488						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHUF.fx	9:30:00 AM	61489						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHUF.fx	11:30:00 AM	61490						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHUF.fx	1:30:00 PM	61491						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDHUF.fx	3:30:00 PM	61492						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDINR	9:30:00 AM	61493						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDINR	11:30:00 AM	61494						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDINR	1:30:00 PM	61495						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDINR	3:30:00 PM	61496						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY	9:30:00 AM	61497						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY	11:30:00 AM	61498						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY	1:30:00 PM	61499						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY	3:30:00 PM	61500						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY.fx	9:30:00 AM	61501						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY.fx	11:30:00 AM	61502						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY.fx	1:30:00 PM	61503						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDJPY.fx	3:30:00 PM	61504						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDMXN	9:30:00 AM	61505						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDMXN	11:30:00 AM	61506						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDMXN	1:30:00 PM	61507						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDMXN	3:30:00 PM	61508						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JSDMXN.fx	9:30:00 AM	61509						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JSDMXN.fx	11:30:00 AM	61510						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JSDMXN.fx	1:30:00 PM	61511						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	JSDMXN.fx	3:30:00 PM	61512						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK	9:30:00 AM	61513						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK	11:30:00 AM	61514						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK	1:30:00 PM	61515						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK	3:30:00 PM	61516						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK.fx	9:30:00 AM	61517						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	USDNOK.fx	11:30:00 AM	61518						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK.fx	1:30:00 PM	61519						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDNOK.fx	3:30:00 PM	61520						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN	9:30:00 AM	61521						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN	11:30:00 AM	61522						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN	1:30:00 PM	61523						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN	3:30:00 PM	61524						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN.fx	9:30:00 AM	61525						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN.fx	11:30:00 AM	61526						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN.fx	1:30:00 PM	61527						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDPLN.fx	3:30:00 PM	61528						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDRUB	9:30:00 AM	61529						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDRUB	11:30:00 AM	61530						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDRUB	1:30:00 PM	61531						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDRUB	3:30:00 PM	61532						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK	9:30:00 AM	61533						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK	11:30:00 AM	61534						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK	1:30:00 PM	61535						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK	3:30:00 PM	61536						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK.fx	9:30:00 AM	61537						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK.fx	11:30:00 AM	61538						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK.fx	1:30:00 PM	61539						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSEK.fx	3:30:00 PM	61540						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD	9:30:00 AM	61541						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD	11:30:00 AM	61542						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD	1:30:00 PM	61543						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD	3:30:00 PM	61544						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD.fx	9:30:00 AM	61545						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD.fx	11:30:00 AM	61546						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD.fx	1:30:00 PM	61547						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDSGD.fx	3:30:00 PM	61548						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR	9:30:00 AM	61549						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR	11:30:00 AM	61550						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR	1:30:00 PM	61551						Continuous Quote	N/A	ELECTRONIC	N/A

11/21/2019	USDZAR	3:30:00 PM	61552						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR.fx	9:30:00 AM	61553						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR.fx	11:30:00 AM	61554						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR.fx	1:30:00 PM	61555						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	USDZAR.fx	3:30:00 PM	61556						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	XAUUSD	9:30:00 AM	61557						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	XAUUSD	11:30:00 AM	61558						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	XAUUSD	1:30:00 PM	61559						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	XAUUSD	3:30:00 PM	61560						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY	9:30:00 AM	61561						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY	11:30:00 AM	61562						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY	1:30:00 PM	61563						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY	3:30:00 PM	61564						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY.fx	9:30:00 AM	61565						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY.fx	11:30:00 AM	61566						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY.fx	1:30:00 PM	61567						Continuous Quote	N/A	ELECTRONIC	N/A
11/21/2019	ZARJPY.fx	3:30:00 PM	61568						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AA	9:30:00 AM	61569						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AA	1:30:00 PM	61571						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AA	3:30:00 PM	61572						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AABA	9:30:00 AM	61573						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AABA	1:30:00 PM	61575						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AAL	9:30:00 AM	61577						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AAL	1:30:00 PM	61579						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AAL	3:30:00 PM	61580						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AAPL	9:30:00 AM	61581						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AAPL	11:30:00 AM	61582						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AAPL	1:30:00 PM	61583						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AAPL	3:30:00 PM	61584						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#ADBE	9:30:00 AM	61585						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	#ADBE	11:30:00 AM	61586						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#ADBE	1:30:00 PM	61587						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#ADBE	3:30:00 PM	61588						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AIG	1:30:00 PM	61591						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AIG	3:30:00 PM	61592						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AMD	9:30:00 AM	61593						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AMD	11:30:00 AM	61594						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AMD	1:30:00 PM	61595						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#AMD	3:30:00 PM	61596						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#AMZN	3:30:00 PM	61600						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#BA	9:30:00 AM	61605						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BA	11:30:00 AM	61606						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#BA	3:30:00 PM	61608						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BABA	9:30:00 AM	61609						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#BABA	1:30:00 PM	61611						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#BAC	1:30:00 PM	61615						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BAC	3:30:00 PM	61616						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BARC	9:30:00 AM	61617						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BARC	11:30:00 AM	61618						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BARC	1:30:00 PM	61619						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	#BARC	3:30:00 PM	61620						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BHP	9:30:00 AM	61621						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BHP	11:30:00 AM	61622						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BHP	1:30:00 PM	61623						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BHP	3:30:00 PM	61624						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	#BIDU	9:30:00 AM	61625						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#Bitcoin	9:30:00 AM	61629						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#C	9:30:00 AM	61649						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	#PFE	3:30:00 PM	61896						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	AUDNZD.fx	3:30:00 PM	62072						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDPLN	9:30:00 AM	62073						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDPLN	11:30:00 AM	62074						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDPLN	1:30:00 PM	62075						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDPLN	3:30:00 PM	62076						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK	9:30:00 AM	62077						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK	11:30:00 AM	62078						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK	1:30:00 PM	62079						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK	3:30:00 PM	62080						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK.fx	9:30:00 AM	62081						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK.fx	11:30:00 AM	62082						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK.fx	1:30:00 PM	62083						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSEK.fx	3:30:00 PM	62084						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD	9:30:00 AM	62085						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD	11:30:00 AM	62086						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD	1:30:00 PM	62087						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD	3:30:00 PM	62088						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD.fx	9:30:00 AM	62089						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD.fx	11:30:00 AM	62090						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD.fx	1:30:00 PM	62091						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDSGD.fx	3:30:00 PM	62092						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD	9:30:00 AM	62093						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD	11:30:00 AM	62094						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD	1:30:00 PM	62095						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	AUDUSD	3:30:00 PM	62096						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD.fx	9:30:00 AM	62097						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD.fx	11:30:00 AM	62098						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD.fx	1:30:00 PM	62099						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDUSD.fx	3:30:00 PM	62100						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDZAR	9:30:00 AM	62101						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDZAR	11:30:00 AM	62102						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDZAR	1:30:00 PM	62103						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUDZAR	3:30:00 PM	62104						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUS200.i	9:30:00 AM	62105						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUS200.i	11:30:00 AM	62106						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUS200.i	1:30:00 PM	62107						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	AUS200.i	3:30:00 PM	62108						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	BCHUSD	9:30:00 AM	62109						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	BCHUSD	11:30:00 AM	62110						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	BCHUSD	1:30:00 PM	62111						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	BCHUSD	3:30:00 PM	62112						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF	9:30:00 AM	62113						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF	11:30:00 AM	62114						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF	1:30:00 PM	62115						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF	3:30:00 PM	62116						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF.fx	9:30:00 AM	62117						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF.fx	11:30:00 AM	62118						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF.fx	1:30:00 PM	62119						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCHF.fx	3:30:00 PM	62120						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCZK	9:30:00 AM	62121						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCZK	11:30:00 AM	62122						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCZK	1:30:00 PM	62123						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADCZK	3:30:00 PM	62124						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADDDKK	9:30:00 AM	62125						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADDDKK	11:30:00 AM	62126						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADDDKK	1:30:00 PM	62127						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADDDKK	3:30:00 PM	62128						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHKD	9:30:00 AM	62129						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	CADHKD	11:30:00 AM	62130						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHKD	1:30:00 PM	62131						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHKD	3:30:00 PM	62132						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHUF	9:30:00 AM	62133						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHUF	11:30:00 AM	62134						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHUF	1:30:00 PM	62135						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADHUF	3:30:00 PM	62136						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY	9:30:00 AM	62137						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY	11:30:00 AM	62138						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY	1:30:00 PM	62139						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY	3:30:00 PM	62140						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY.fx	9:30:00 AM	62141						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY.fx	11:30:00 AM	62142						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY.fx	1:30:00 PM	62143						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADJPY.fx	3:30:00 PM	62144						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADMXN	9:30:00 AM	62145						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADMXN	11:30:00 AM	62146						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADMXN	1:30:00 PM	62147						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADMXN	3:30:00 PM	62148						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADNOK	9:30:00 AM	62149						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADNOK	11:30:00 AM	62150						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADNOK	1:30:00 PM	62151						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADNOK	3:30:00 PM	62152						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADPLN	9:30:00 AM	62153						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADPLN	11:30:00 AM	62154						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADPLN	1:30:00 PM	62155						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADPLN	3:30:00 PM	62156						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSEK	9:30:00 AM	62157						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSEK	11:30:00 AM	62158						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSEK	1:30:00 PM	62159						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSEK	3:30:00 PM	62160						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSGD	9:30:00 AM	62161						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSGD	11:30:00 AM	62162						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADSGD	1:30:00 PM	62163						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	CADSGD	3:30:00 PM	62164						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADZAR	9:30:00 AM	62165						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADZAR	11:30:00 AM	62166						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADZAR	1:30:00 PM	62167						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CADZAR	3:30:00 PM	62168						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFCZK	9:30:00 AM	62169						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFCZK	11:30:00 AM	62170						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFCZK	1:30:00 PM	62171						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFCZK	3:30:00 PM	62172						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK	9:30:00 AM	62173						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK	11:30:00 AM	62174						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK	1:30:00 PM	62175						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK	3:30:00 PM	62176						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK.fx	9:30:00 AM	62177						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK.fx	11:30:00 AM	62178						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK.fx	1:30:00 PM	62179						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFDKK.fx	3:30:00 PM	62180						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHKD	9:30:00 AM	62181						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHKD	11:30:00 AM	62182						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHKD	1:30:00 PM	62183						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHKD	3:30:00 PM	62184						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHUF	9:30:00 AM	62185						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHUF	11:30:00 AM	62186						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHUF	1:30:00 PM	62187						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFHUF	3:30:00 PM	62188						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY	9:30:00 AM	62189						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY	11:30:00 AM	62190						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY	1:30:00 PM	62191						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY	3:30:00 PM	62192						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY.fx	9:30:00 AM	62193						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY.fx	11:30:00 AM	62194						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY.fx	1:30:00 PM	62195						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFJPY.fx	3:30:00 PM	62196						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFMXN	9:30:00 AM	62197						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	CHFMXN	11:30:00 AM	62198						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFMXN	1:30:00 PM	62199						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFMXN	3:30:00 PM	62200						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK	9:30:00 AM	62201						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK	11:30:00 AM	62202						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK	1:30:00 PM	62203						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK	3:30:00 PM	62204						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK.fx	9:30:00 AM	62205						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK.fx	11:30:00 AM	62206						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK.fx	1:30:00 PM	62207						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFNOK.fx	3:30:00 PM	62208						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN	9:30:00 AM	62209						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN	11:30:00 AM	62210						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN	1:30:00 PM	62211						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN	3:30:00 PM	62212						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN.fx	9:30:00 AM	62213						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN.fx	11:30:00 AM	62214						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN.fx	1:30:00 PM	62215						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFPLN.fx	3:30:00 PM	62216						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSEK	9:30:00 AM	62217						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSEK	11:30:00 AM	62218						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSEK	1:30:00 PM	62219						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSEK	3:30:00 PM	62220						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD	9:30:00 AM	62221						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD	11:30:00 AM	62222						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD	1:30:00 PM	62223						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD	3:30:00 PM	62224						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD.fx	9:30:00 AM	62225						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD.fx	11:30:00 AM	62226						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD.fx	1:30:00 PM	62227						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFSGD.fx	3:30:00 PM	62228						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFZAR	9:30:00 AM	62229						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFZAR	11:30:00 AM	62230						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CHFZAR	1:30:00 PM	62231						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	CHFZAR	3:30:00 PM	62232						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CZKJPY	9:30:00 AM	62233						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CZKJPY	11:30:00 AM	62234						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CZKJPY	1:30:00 PM	62235						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	CZKJPY	3:30:00 PM	62236						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DAX30.i	9:30:00 AM	62237						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DAX30.i	11:30:00 AM	62238						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DAX30.i	1:30:00 PM	62239						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DAX30.i	3:30:00 PM	62240						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DJ30.i	9:30:00 AM	62241						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DJ30.i	11:30:00 AM	62242						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DJ30.i	1:30:00 PM	62243						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DJ30.i	3:30:00 PM	62244						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DKKJPY	9:30:00 AM	62245						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DKKJPY	11:30:00 AM	62246						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DKKJPY	1:30:00 PM	62247						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	DKKJPY	3:30:00 PM	62248						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD	9:30:00 AM	62249						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD	11:30:00 AM	62250						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD	1:30:00 PM	62251						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD	3:30:00 PM	62252						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD.fx	9:30:00 AM	62253						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD.fx	11:30:00 AM	62254						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD.fx	1:30:00 PM	62255						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURAUD.fx	3:30:00 PM	62256						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD	9:30:00 AM	62257						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD	11:30:00 AM	62258						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD	1:30:00 PM	62259						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD	3:30:00 PM	62260						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD.fx	9:30:00 AM	62261						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD.fx	11:30:00 AM	62262						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD.fx	1:30:00 PM	62263						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCAD.fx	3:30:00 PM	62264						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF	9:30:00 AM	62265						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	EURCHF	11:30:00 AM	62266						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF	1:30:00 PM	62267						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF	3:30:00 PM	62268						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF.fx	9:30:00 AM	62269						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF.fx	11:30:00 AM	62270						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF.fx	1:30:00 PM	62271						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCHF.fx	3:30:00 PM	62272						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCZK	9:30:00 AM	62273						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCZK	11:30:00 AM	62274						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCZK	1:30:00 PM	62275						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURCZK	3:30:00 PM	62276						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURDKK	9:30:00 AM	62277						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURDKK	11:30:00 AM	62278						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURDKK	1:30:00 PM	62279						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURDKK	3:30:00 PM	62280						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP	9:30:00 AM	62281						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP	11:30:00 AM	62282						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP	1:30:00 PM	62283						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP	3:30:00 PM	62284						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP.fx	9:30:00 AM	62285						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP.fx	11:30:00 AM	62286						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP.fx	1:30:00 PM	62287						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURGBP.fx	3:30:00 PM	62288						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD	9:30:00 AM	62289						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD	11:30:00 AM	62290						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD	1:30:00 PM	62291						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD	3:30:00 PM	62292						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD.fx	9:30:00 AM	62293						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD.fx	11:30:00 AM	62294						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD.fx	1:30:00 PM	62295						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHKD.fx	3:30:00 PM	62296						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF	9:30:00 AM	62297						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF	11:30:00 AM	62298						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF	1:30:00 PM	62299						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	EURHUF	3:30:00 PM	62300						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF.fx	9:30:00 AM	62301						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF.fx	11:30:00 AM	62302						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF.fx	1:30:00 PM	62303						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURHUF.fx	3:30:00 PM	62304						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY	9:30:00 AM	62305						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY	11:30:00 AM	62306						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY	1:30:00 PM	62307						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY	3:30:00 PM	62308						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY.fx	9:30:00 AM	62309						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY.fx	11:30:00 AM	62310						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY.fx	1:30:00 PM	62311						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURJPY.fx	3:30:00 PM	62312						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN	9:30:00 AM	62313						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN	11:30:00 AM	62314						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN	1:30:00 PM	62315						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN	3:30:00 PM	62316						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN.fx	9:30:00 AM	62317						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN.fx	11:30:00 AM	62318						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN.fx	1:30:00 PM	62319						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURMXN.fx	3:30:00 PM	62320						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK	9:30:00 AM	62321						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK	11:30:00 AM	62322						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK	1:30:00 PM	62323						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK	3:30:00 PM	62324						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK.fx	9:30:00 AM	62325						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK.fx	11:30:00 AM	62326						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK.fx	1:30:00 PM	62327						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNOK.fx	3:30:00 PM	62328						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD	9:30:00 AM	62329						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD	11:30:00 AM	62330						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD	1:30:00 PM	62331						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD	3:30:00 PM	62332						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD.fx	9:30:00 AM	62333						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	EURNZD.fx	11:30:00 AM	62334						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD.fx	1:30:00 PM	62335						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURNZD.fx	3:30:00 PM	62336						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN	9:30:00 AM	62337						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN	11:30:00 AM	62338						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN	1:30:00 PM	62339						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN	3:30:00 PM	62340						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN.fx	9:30:00 AM	62341						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN.fx	11:30:00 AM	62342						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN.fx	1:30:00 PM	62343						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURPLN.fx	3:30:00 PM	62344						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURRUB	9:30:00 AM	62345						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURRUB	11:30:00 AM	62346						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURRUB	1:30:00 PM	62347						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURRUB	3:30:00 PM	62348						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK	9:30:00 AM	62349						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK	11:30:00 AM	62350						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK	1:30:00 PM	62351						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK	3:30:00 PM	62352						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK.fx	9:30:00 AM	62353						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK.fx	11:30:00 AM	62354						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK.fx	1:30:00 PM	62355						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSEK.fx	3:30:00 PM	62356						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD	9:30:00 AM	62357						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD	11:30:00 AM	62358						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD	1:30:00 PM	62359						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD	3:30:00 PM	62360						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD.fx	9:30:00 AM	62361						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD.fx	11:30:00 AM	62362						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD.fx	1:30:00 PM	62363						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURSGD.fx	3:30:00 PM	62364						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD	9:30:00 AM	62365						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD	11:30:00 AM	62366						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD	1:30:00 PM	62367						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	EURUSD	3:30:00 PM	62368						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD.fx	9:30:00 AM	62369						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD.fx	11:30:00 AM	62370						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD.fx	1:30:00 PM	62371						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURUSD.fx	3:30:00 PM	62372						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR	9:30:00 AM	62373						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR	11:30:00 AM	62374						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR	1:30:00 PM	62375						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR	3:30:00 PM	62376						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR.fx	9:30:00 AM	62377						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR.fx	11:30:00 AM	62378						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR.fx	1:30:00 PM	62379						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	EURZAR.fx	3:30:00 PM	62380						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD	9:30:00 AM	62381						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD	11:30:00 AM	62382						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD	1:30:00 PM	62383						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD	3:30:00 PM	62384						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD.fx	9:30:00 AM	62385						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD.fx	11:30:00 AM	62386						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD.fx	1:30:00 PM	62387						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPAUD.fx	3:30:00 PM	62388						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD	9:30:00 AM	62389						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD	11:30:00 AM	62390						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD	1:30:00 PM	62391						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD	3:30:00 PM	62392						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD.fx	9:30:00 AM	62393						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD.fx	11:30:00 AM	62394						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD.fx	1:30:00 PM	62395						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCAD.fx	3:30:00 PM	62396						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF	9:30:00 AM	62397						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF	11:30:00 AM	62398						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF	1:30:00 PM	62399						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF	3:30:00 PM	62400						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF.fx	9:30:00 AM	62401						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	GBPCHF.fx	11:30:00 AM	62402						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF.fx	1:30:00 PM	62403						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCHF.fx	3:30:00 PM	62404						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCZK	9:30:00 AM	62405						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCZK	11:30:00 AM	62406						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCZK	1:30:00 PM	62407						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPCZK	3:30:00 PM	62408						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK	9:30:00 AM	62409						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK	11:30:00 AM	62410						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	GBPDKK	3:30:00 PM	62412						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK.fx	9:30:00 AM	62413						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK.fx	11:30:00 AM	62414						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK.fx	1:30:00 PM	62415						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPDKK.fx	3:30:00 PM	62416						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHKD	9:30:00 AM	62417						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHKD	11:30:00 AM	62418						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHKD	1:30:00 PM	62419						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHKD	3:30:00 PM	62420						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHUF	9:30:00 AM	62421						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHUF	11:30:00 AM	62422						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHUF	1:30:00 PM	62423						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPHUF	3:30:00 PM	62424						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY	9:30:00 AM	62425						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY	11:30:00 AM	62426						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY	1:30:00 PM	62427						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY	3:30:00 PM	62428						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY.fx	9:30:00 AM	62429						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY.fx	11:30:00 AM	62430						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY.fx	1:30:00 PM	62431						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPJPY.fx	3:30:00 PM	62432						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPMXN	9:30:00 AM	62433						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPMXN	11:30:00 AM	62434						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPMXN	1:30:00 PM	62435						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	GBPMXN	3:30:00 PM	62436						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK	9:30:00 AM	62437						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK	11:30:00 AM	62438						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK	1:30:00 PM	62439						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK	3:30:00 PM	62440						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK.fx	9:30:00 AM	62441						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK.fx	11:30:00 AM	62442						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK.fx	1:30:00 PM	62443						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNOK.fx	3:30:00 PM	62444						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD	9:30:00 AM	62445						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD	11:30:00 AM	62446						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD	1:30:00 PM	62447						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD	3:30:00 PM	62448						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD.fx	9:30:00 AM	62449						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD.fx	11:30:00 AM	62450						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD.fx	1:30:00 PM	62451						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPNZD.fx	3:30:00 PM	62452						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN	9:30:00 AM	62453						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN	11:30:00 AM	62454						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN	1:30:00 PM	62455						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN	3:30:00 PM	62456						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN.fx	9:30:00 AM	62457						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN.fx	11:30:00 AM	62458						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN.fx	1:30:00 PM	62459						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPPLN.fx	3:30:00 PM	62460						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK	9:30:00 AM	62461						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK	11:30:00 AM	62462						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK	1:30:00 PM	62463						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK	3:30:00 PM	62464						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK.fx	9:30:00 AM	62465						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK.fx	11:30:00 AM	62466						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK.fx	1:30:00 PM	62467						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSEK.fx	3:30:00 PM	62468						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD	9:30:00 AM	62469						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	GBPSGD	11:30:00 AM	62470						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD	1:30:00 PM	62471						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD	3:30:00 PM	62472						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD.fx	9:30:00 AM	62473						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD.fx	11:30:00 AM	62474						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD.fx	1:30:00 PM	62475						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPSGD.fx	3:30:00 PM	62476						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD	9:30:00 AM	62477						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD	11:30:00 AM	62478						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD	1:30:00 PM	62479						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD	3:30:00 PM	62480						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD.fx	9:30:00 AM	62481						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD.fx	11:30:00 AM	62482						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD.fx	1:30:00 PM	62483						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPUSD.fx	3:30:00 PM	62484						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR	9:30:00 AM	62485						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR	11:30:00 AM	62486						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR	1:30:00 PM	62487						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR	3:30:00 PM	62488						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR.fx	9:30:00 AM	62489						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR.fx	11:30:00 AM	62490						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR.fx	1:30:00 PM	62491						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GBPZAR.fx	3:30:00 PM	62492						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GOLD	9:30:00 AM	62493						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GOLD	11:30:00 AM	62494						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GOLD	1:30:00 PM	62495						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	GOLD	3:30:00 PM	62496						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY	9:30:00 AM	62497						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY	11:30:00 AM	62498						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY	1:30:00 PM	62499						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY	3:30:00 PM	62500						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY.fx	9:30:00 AM	62501						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY.fx	11:30:00 AM	62502						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HKDJPY.fx	1:30:00 PM	62503						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	HKDJPY.fx	3:30:00 PM	62504						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HUFJPY	9:30:00 AM	62505						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HUFJPY	11:30:00 AM	62506						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HUFJPY	1:30:00 PM	62507						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	HUFJPY	3:30:00 PM	62508						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JP225.i	9:30:00 AM	62509						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JP225.i	11:30:00 AM	62510						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JP225.i	1:30:00 PM	62511						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JP225.i	3:30:00 PM	62512						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	MXNJPY	9:30:00 AM	62513						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	MXNJPY	11:30:00 AM	62514						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	MXNJPY	1:30:00 PM	62515						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	MXNJPY	3:30:00 PM	62516						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NASDAQ.i	9:30:00 AM	62517						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NASDAQ.i	11:30:00 AM	62518						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NASDAQ.i	1:30:00 PM	62519						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NASDAQ.i	3:30:00 PM	62520						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY	9:30:00 AM	62521						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY	11:30:00 AM	62522						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY	1:30:00 PM	62523						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY	3:30:00 PM	62524						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY.fx	9:30:00 AM	62525						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY.fx	11:30:00 AM	62526						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY.fx	1:30:00 PM	62527						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NOKJPY.fx	3:30:00 PM	62528						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD	9:30:00 AM	62529						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD	11:30:00 AM	62530						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD	1:30:00 PM	62531						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD	3:30:00 PM	62532						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD.fx	9:30:00 AM	62533						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD.fx	11:30:00 AM	62534						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD.fx	1:30:00 PM	62535						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCAD.fx	3:30:00 PM	62536						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCHF	9:30:00 AM	62537						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	NZDCHF	11:30:00 AM	62538						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDCHF.fx	9:30:00 AM	62541						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCHF.fx	11:30:00 AM	62542						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCHF.fx	1:30:00 PM	62543						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDCHF.fx	3:30:00 PM	62544						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDDKK	1:30:00 PM	62551						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDHKD	9:30:00 AM	62553						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHKD	11:30:00 AM	62554						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHKD	1:30:00 PM	62555						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHKD	3:30:00 PM	62556						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHUF	9:30:00 AM	62557						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHUF	11:30:00 AM	62558						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHUF	1:30:00 PM	62559						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDHUF	3:30:00 PM	62560						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY	9:30:00 AM	62561						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY	11:30:00 AM	62562						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY	1:30:00 PM	62563						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY	3:30:00 PM	62564						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY.fx	9:30:00 AM	62565						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY.fx	11:30:00 AM	62566						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDJPY.fx	1:30:00 PM	62567						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDMXN	9:30:00 AM	62569						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDMXN	11:30:00 AM	62570						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDMXN	1:30:00 PM	62571						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	NZDMXN	3:30:00 PM	62572						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDNOK	9:30:00 AM	62573						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDNOK	11:30:00 AM	62574						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDNOK	1:30:00 PM	62575						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDNOK	3:30:00 PM	62576						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDPLN	1:30:00 PM	62579						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDPLN	3:30:00 PM	62580						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDSEK	9:30:00 AM	62581						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDSEK	11:30:00 AM	62582						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDSGD.fx	11:30:00 AM	62590						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDSGD.fx	3:30:00 PM	62592						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD	9:30:00 AM	62593						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD	11:30:00 AM	62594						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD	1:30:00 PM	62595						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD	3:30:00 PM	62596						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD.fx	9:30:00 AM	62597						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDUSD.fx	11:30:00 AM	62598						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	NZDZAR	9:30:00 AM	62601						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDZAR	11:30:00 AM	62602						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDZAR	1:30:00 PM	62603						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	NZDZAR	3:30:00 PM	62604						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SEKJPY	9:30:00 AM	62605						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	SEKJPY	11:30:00 AM	62606						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SEKJPY	1:30:00 PM	62607						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SEKJPY	3:30:00 PM	62608						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	SEKJPY.fx	1:30:00 PM	62611						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	SGDJPY	1:30:00 PM	62615						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SGDJPY	3:30:00 PM	62616						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SILVER	9:30:00 AM	62617						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SILVER	11:30:00 AM	62618						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SILVER	1:30:00 PM	62619						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SILVER	3:30:00 PM	62620						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SPX500.i	9:30:00 AM	62621						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SPX500.i	11:30:00 AM	62622						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SPX500.i	1:30:00 PM	62623						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	SPX500.i	3:30:00 PM	62624						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	UK100.i	9:30:00 AM	62625						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	UK100.i	11:30:00 AM	62626						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	UK100.i	1:30:00 PM	62627						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	UK100.i	3:30:00 PM	62628						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCAD	9:30:00 AM	62629						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCAD	11:30:00 AM	62630						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCAD	1:30:00 PM	62631						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCAD	3:30:00 PM	62632						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDCAD.fx	11:30:00 AM	62634						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDCAD.fx	3:30:00 PM	62636						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCHF	9:30:00 AM	62637						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCHF	11:30:00 AM	62638						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCHF	1:30:00 PM	62639						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	USDCHF	3:30:00 PM	62640						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDCHF.fx	11:30:00 AM	62642						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDCHF.fx	3:30:00 PM	62644						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCZK	9:30:00 AM	62645						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCZK	11:30:00 AM	62646						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCZK	1:30:00 PM	62647						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDCZK.fx	11:30:00 AM	62650						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCZK.fx	1:30:00 PM	62651						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDCZK.fx	3:30:00 PM	62652						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK	9:30:00 AM	62653						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK	11:30:00 AM	62654						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK	1:30:00 PM	62655						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK	3:30:00 PM	62656						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK.fx	9:30:00 AM	62657						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK.fx	11:30:00 AM	62658						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK.fx	1:30:00 PM	62659						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDDKK.fx	3:30:00 PM	62660						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD	9:30:00 AM	62661						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD	11:30:00 AM	62662						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD	1:30:00 PM	62663						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD	3:30:00 PM	62664						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD.fx	9:30:00 AM	62665						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD.fx	11:30:00 AM	62666						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD.fx	1:30:00 PM	62667						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHKD.fx	3:30:00 PM	62668						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF	9:30:00 AM	62669						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF	11:30:00 AM	62670						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF	1:30:00 PM	62671						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF	3:30:00 PM	62672						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF.fx	9:30:00 AM	62673						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	USDHUF.fx	11:30:00 AM	62674						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF.fx	1:30:00 PM	62675						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDHUF.fx	3:30:00 PM	62676						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDINR	9:30:00 AM	62677						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDINR	11:30:00 AM	62678						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDINR	1:30:00 PM	62679						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDINR	3:30:00 PM	62680						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDJPY	9:30:00 AM	62681						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDJPY	11:30:00 AM	62682						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDJPY	1:30:00 PM	62683						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDJPY.fx	11:30:00 AM	62686						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDJPY.fx	1:30:00 PM	62687						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDJPY.fx	3:30:00 PM	62688						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDMXN	9:30:00 AM	62689						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDMXN	11:30:00 AM	62690						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDMXN	1:30:00 PM	62691						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDMXN	3:30:00 PM	62692						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JSDMXN.fx	9:30:00 AM	62693						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JSDMXN.fx	11:30:00 AM	62694						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JSDMXN.fx	1:30:00 PM	62695						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	JSDMXN.fx	3:30:00 PM	62696						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK	9:30:00 AM	62697						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK	11:30:00 AM	62698						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK	1:30:00 PM	62699						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK	3:30:00 PM	62700						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK.fx	9:30:00 AM	62701						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK.fx	11:30:00 AM	62702						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK.fx	1:30:00 PM	62703						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDNOK.fx	3:30:00 PM	62704						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN	9:30:00 AM	62705						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN	11:30:00 AM	62706						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN	1:30:00 PM	62707						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	USDPLN	3:30:00 PM	62708						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN.fx	9:30:00 AM	62709						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN.fx	11:30:00 AM	62710						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN.fx	1:30:00 PM	62711						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDPLN.fx	3:30:00 PM	62712						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDRUB	9:30:00 AM	62713						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDRUB	11:30:00 AM	62714						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDRUB	1:30:00 PM	62715						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDRUB	3:30:00 PM	62716						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK	9:30:00 AM	62717						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK	11:30:00 AM	62718						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDSEK	3:30:00 PM	62720						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK.fx	9:30:00 AM	62721						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK.fx	11:30:00 AM	62722						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK.fx	1:30:00 PM	62723						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSEK.fx	3:30:00 PM	62724						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD	9:30:00 AM	62725						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD	11:30:00 AM	62726						Continuous Quote	N/A	ELECTRONIC	N/A
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11/22/2019	USDSGD	3:30:00 PM	62728						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD.fx	9:30:00 AM	62729						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD.fx	11:30:00 AM	62730						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD.fx	1:30:00 PM	62731						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDSGD.fx	3:30:00 PM	62732						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR	9:30:00 AM	62733						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR	11:30:00 AM	62734						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR	1:30:00 PM	62735						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR	3:30:00 PM	62736						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR.fx	9:30:00 AM	62737						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR.fx	11:30:00 AM	62738						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR.fx	1:30:00 PM	62739						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	USDZAR.fx	3:30:00 PM	62740						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	XAUUSD	9:30:00 AM	62741						Continuous Quote	N/A	ELECTRONIC	N/A

11/22/2019	XAUUSD	11:30:00 AM	62742						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	XAUUSD	1:30:00 PM	62743						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	XAUUSD	3:30:00 PM	62744						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY	9:30:00 AM	62745						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY	11:30:00 AM	62746						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY	1:30:00 PM	62747						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY	3:30:00 PM	62748						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY.fx	9:30:00 AM	62749						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY.fx	11:30:00 AM	62750						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY.fx	1:30:00 PM	62751						Continuous Quote	N/A	ELECTRONIC	N/A
11/22/2019	ZARJPY.fx	3:30:00 PM	62752						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#AABA	1:30:00 PM	62759						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AABA	3:30:00 PM	62760						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AAL	9:30:00 AM	62761						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#AAPL	3:30:00 PM	62768						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#ADBE	9:30:00 AM	62769						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#ADBE	1:30:00 PM	62771						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#ADBE	3:30:00 PM	62772						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AIG	9:30:00 AM	62773						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AIG	11:30:00 AM	62774						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AIG	1:30:00 PM	62775						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	#AIG	3:30:00 PM	62776						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#AMD	11:30:00 AM	62778						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AMD	1:30:00 PM	62779						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#AMZN	9:30:00 AM	62781						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AMZN	11:30:00 AM	62782						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AMZN	1:30:00 PM	62783						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AMZN	3:30:00 PM	62784						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AXP	9:30:00 AM	62785						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AXP	11:30:00 AM	62786						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AXP	1:30:00 PM	62787						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#AXP	3:30:00 PM	62788						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BA	9:30:00 AM	62789						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BA	1:30:00 PM	62791						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BA	3:30:00 PM	62792						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BABA	9:30:00 AM	62793						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BABA	1:30:00 PM	62795						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BAC	9:30:00 AM	62797						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BAC	11:30:00 AM	62798						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BAC	1:30:00 PM	62799						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BAC	3:30:00 PM	62800						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BARC	9:30:00 AM	62801						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BARC	1:30:00 PM	62803						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BHP	9:30:00 AM	62805						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BHP	11:30:00 AM	62806						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BHP	1:30:00 PM	62807						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BHP	3:30:00 PM	62808						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	#BIDU	9:30:00 AM	62809						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	#BIDU	11:30:00 AM	62810						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BLT	9:30:00 AM	62821						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#BP	9:30:00 AM	62825						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	#CHL	3:30:00 PM	62844						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	AUDPLN	11:30:00 AM	63258						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	AUDPLN	3:30:00 PM	63260						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK	9:30:00 AM	63261						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK	11:30:00 AM	63262						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK	1:30:00 PM	63263						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK	3:30:00 PM	63264						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK.fx	9:30:00 AM	63265						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK.fx	11:30:00 AM	63266						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK.fx	1:30:00 PM	63267						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSEK.fx	3:30:00 PM	63268						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD	9:30:00 AM	63269						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD	11:30:00 AM	63270						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD	1:30:00 PM	63271						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD	3:30:00 PM	63272						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD.fx	9:30:00 AM	63273						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD.fx	11:30:00 AM	63274						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD.fx	1:30:00 PM	63275						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDSGD.fx	3:30:00 PM	63276						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD	9:30:00 AM	63277						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD	11:30:00 AM	63278						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD	1:30:00 PM	63279						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD	3:30:00 PM	63280						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD.fx	9:30:00 AM	63281						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD.fx	11:30:00 AM	63282						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD.fx	1:30:00 PM	63283						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDUSD.fx	3:30:00 PM	63284						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDZAR	9:30:00 AM	63285						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	AUDZAR	11:30:00 AM	63286						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDZAR	1:30:00 PM	63287						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUDZAR	3:30:00 PM	63288						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUS200.i	9:30:00 AM	63289						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUS200.i	11:30:00 AM	63290						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUS200.i	1:30:00 PM	63291						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	AUS200.i	3:30:00 PM	63292						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	BCHUSD	9:30:00 AM	63293						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	BCHUSD	11:30:00 AM	63294						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	BCHUSD	1:30:00 PM	63295						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	BCHUSD	3:30:00 PM	63296						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF	9:30:00 AM	63297						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF	11:30:00 AM	63298						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF	1:30:00 PM	63299						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF	3:30:00 PM	63300						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF.fx	9:30:00 AM	63301						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF.fx	11:30:00 AM	63302						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF.fx	1:30:00 PM	63303						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCHF.fx	3:30:00 PM	63304						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCZK	9:30:00 AM	63305						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCZK	11:30:00 AM	63306						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCZK	1:30:00 PM	63307						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADCZK	3:30:00 PM	63308						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADDKK	9:30:00 AM	63309						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADDKK	11:30:00 AM	63310						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADDKK	1:30:00 PM	63311						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADDKK	3:30:00 PM	63312						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHKD	9:30:00 AM	63313						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHKD	11:30:00 AM	63314						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHKD	1:30:00 PM	63315						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHKD	3:30:00 PM	63316						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHUF	9:30:00 AM	63317						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHUF	11:30:00 AM	63318						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADHUF	1:30:00 PM	63319						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	CADHUF	3:30:00 PM	63320						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY	9:30:00 AM	63321						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY	11:30:00 AM	63322						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY	1:30:00 PM	63323						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY	3:30:00 PM	63324						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY.fx	9:30:00 AM	63325						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY.fx	11:30:00 AM	63326						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY.fx	1:30:00 PM	63327						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADJPY.fx	3:30:00 PM	63328						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADMXN	9:30:00 AM	63329						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADMXN	11:30:00 AM	63330						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADMXN	1:30:00 PM	63331						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADMXN	3:30:00 PM	63332						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADNOK	9:30:00 AM	63333						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADNOK	11:30:00 AM	63334						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADNOK	1:30:00 PM	63335						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADNOK	3:30:00 PM	63336						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADPLN	9:30:00 AM	63337						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADPLN	11:30:00 AM	63338						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADPLN	1:30:00 PM	63339						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADPLN	3:30:00 PM	63340						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSEK	9:30:00 AM	63341						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSEK	11:30:00 AM	63342						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSEK	1:30:00 PM	63343						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSEK	3:30:00 PM	63344						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSGD	9:30:00 AM	63345						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSGD	11:30:00 AM	63346						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSGD	1:30:00 PM	63347						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADSGD	3:30:00 PM	63348						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADZAR	9:30:00 AM	63349						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADZAR	11:30:00 AM	63350						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADZAR	1:30:00 PM	63351						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CADZAR	3:30:00 PM	63352						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFCZK	9:30:00 AM	63353						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	CHFCZK	11:30:00 AM	63354						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFCZK	1:30:00 PM	63355						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFCZK	3:30:00 PM	63356						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK	9:30:00 AM	63357						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK	11:30:00 AM	63358						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK	1:30:00 PM	63359						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK	3:30:00 PM	63360						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK.fx	9:30:00 AM	63361						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK.fx	11:30:00 AM	63362						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK.fx	1:30:00 PM	63363						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFDKK.fx	3:30:00 PM	63364						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHKD	9:30:00 AM	63365						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHKD	11:30:00 AM	63366						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHKD	1:30:00 PM	63367						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHKD	3:30:00 PM	63368						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHUF	9:30:00 AM	63369						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHUF	11:30:00 AM	63370						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHUF	1:30:00 PM	63371						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFHUF	3:30:00 PM	63372						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY	9:30:00 AM	63373						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY	11:30:00 AM	63374						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY	1:30:00 PM	63375						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY	3:30:00 PM	63376						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY.fx	9:30:00 AM	63377						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY.fx	11:30:00 AM	63378						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY.fx	1:30:00 PM	63379						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFJPY.fx	3:30:00 PM	63380						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFMXN	9:30:00 AM	63381						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFMXN	11:30:00 AM	63382						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFMXN	1:30:00 PM	63383						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFMXN	3:30:00 PM	63384						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFNOK	9:30:00 AM	63385						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFNOK	11:30:00 AM	63386						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFNOK	1:30:00 PM	63387						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	CHFNOK	3:30:00 PM	63388						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFNOK.fx	9:30:00 AM	63389						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	CHFNOK.fx	1:30:00 PM	63391						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFNOK.fx	3:30:00 PM	63392						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN	9:30:00 AM	63393						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN	11:30:00 AM	63394						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN	1:30:00 PM	63395						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN	3:30:00 PM	63396						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN.fx	9:30:00 AM	63397						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFPLN.fx	11:30:00 AM	63398						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	CHFPLN.fx	3:30:00 PM	63400						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSEK	9:30:00 AM	63401						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSEK	11:30:00 AM	63402						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSEK	1:30:00 PM	63403						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSEK	3:30:00 PM	63404						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD	9:30:00 AM	63405						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD	11:30:00 AM	63406						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD	1:30:00 PM	63407						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD	3:30:00 PM	63408						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD.fx	9:30:00 AM	63409						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD.fx	11:30:00 AM	63410						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD.fx	1:30:00 PM	63411						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFSGD.fx	3:30:00 PM	63412						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFZAR	9:30:00 AM	63413						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CHFZAR	11:30:00 AM	63414						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	CHFZAR	3:30:00 PM	63416						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CZKJPY	9:30:00 AM	63417						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CZKJPY	11:30:00 AM	63418						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CZKJPY	1:30:00 PM	63419						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	CZKJPY	3:30:00 PM	63420						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DAX30.i	9:30:00 AM	63421						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	DAX30.i	11:30:00 AM	63422						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DAX30.i	1:30:00 PM	63423						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DAX30.i	3:30:00 PM	63424						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DJ30.i	9:30:00 AM	63425						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	DJ30.i	1:30:00 PM	63427						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DJ30.i	3:30:00 PM	63428						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DKKJPY	9:30:00 AM	63429						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DKKJPY	11:30:00 AM	63430						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DKKJPY	1:30:00 PM	63431						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	DKKJPY	3:30:00 PM	63432						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD	9:30:00 AM	63433						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD	11:30:00 AM	63434						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD	1:30:00 PM	63435						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD	3:30:00 PM	63436						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD.fx	9:30:00 AM	63437						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD.fx	11:30:00 AM	63438						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD.fx	1:30:00 PM	63439						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURAUD.fx	3:30:00 PM	63440						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD	9:30:00 AM	63441						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD	11:30:00 AM	63442						Continuous Quote	N/A	ELECTRONIC	N/A
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11/23/2019	EURCAD	3:30:00 PM	63444						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD.fx	9:30:00 AM	63445						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD.fx	11:30:00 AM	63446						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD.fx	1:30:00 PM	63447						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCAD.fx	3:30:00 PM	63448						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF	9:30:00 AM	63449						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF	11:30:00 AM	63450						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF	1:30:00 PM	63451						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF	3:30:00 PM	63452						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF.fx	9:30:00 AM	63453						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF.fx	11:30:00 AM	63454						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCHF.fx	1:30:00 PM	63455						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	EURCHF.fx	3:30:00 PM	63456						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCZK	9:30:00 AM	63457						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCZK	11:30:00 AM	63458						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCZK	1:30:00 PM	63459						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURCZK	3:30:00 PM	63460						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURDKK	9:30:00 AM	63461						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURDKK	11:30:00 AM	63462						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURDKK	1:30:00 PM	63463						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURDKK	3:30:00 PM	63464						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP	9:30:00 AM	63465						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP	11:30:00 AM	63466						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP	1:30:00 PM	63467						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP	3:30:00 PM	63468						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP.fx	9:30:00 AM	63469						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP.fx	11:30:00 AM	63470						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP.fx	1:30:00 PM	63471						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURGBP.fx	3:30:00 PM	63472						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD	9:30:00 AM	63473						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD	11:30:00 AM	63474						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD	1:30:00 PM	63475						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD	3:30:00 PM	63476						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD.fx	9:30:00 AM	63477						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD.fx	11:30:00 AM	63478						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD.fx	1:30:00 PM	63479						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHKD.fx	3:30:00 PM	63480						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF	9:30:00 AM	63481						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF	11:30:00 AM	63482						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF	1:30:00 PM	63483						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF	3:30:00 PM	63484						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF.fx	9:30:00 AM	63485						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF.fx	11:30:00 AM	63486						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF.fx	1:30:00 PM	63487						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURHUF.fx	3:30:00 PM	63488						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY	9:30:00 AM	63489						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	EURJPY	11:30:00 AM	63490						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY	1:30:00 PM	63491						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY	3:30:00 PM	63492						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY.fx	9:30:00 AM	63493						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY.fx	11:30:00 AM	63494						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY.fx	1:30:00 PM	63495						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURJPY.fx	3:30:00 PM	63496						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN	9:30:00 AM	63497						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN	11:30:00 AM	63498						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN	1:30:00 PM	63499						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN	3:30:00 PM	63500						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN.fx	9:30:00 AM	63501						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN.fx	11:30:00 AM	63502						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN.fx	1:30:00 PM	63503						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURMXN.fx	3:30:00 PM	63504						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK	9:30:00 AM	63505						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK	11:30:00 AM	63506						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK	1:30:00 PM	63507						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK	3:30:00 PM	63508						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK.fx	9:30:00 AM	63509						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK.fx	11:30:00 AM	63510						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK.fx	1:30:00 PM	63511						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNOK.fx	3:30:00 PM	63512						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD	9:30:00 AM	63513						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD	11:30:00 AM	63514						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD	1:30:00 PM	63515						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD	3:30:00 PM	63516						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD.fx	9:30:00 AM	63517						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD.fx	11:30:00 AM	63518						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD.fx	1:30:00 PM	63519						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURNZD.fx	3:30:00 PM	63520						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN	9:30:00 AM	63521						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN	11:30:00 AM	63522						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN	1:30:00 PM	63523						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	EURPLN	3:30:00 PM	63524						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN.fx	9:30:00 AM	63525						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN.fx	11:30:00 AM	63526						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN.fx	1:30:00 PM	63527						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURPLN.fx	3:30:00 PM	63528						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURRUB	9:30:00 AM	63529						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURRUB	11:30:00 AM	63530						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURRUB	1:30:00 PM	63531						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURRUB	3:30:00 PM	63532						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK	9:30:00 AM	63533						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK	11:30:00 AM	63534						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK	1:30:00 PM	63535						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK	3:30:00 PM	63536						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK.fx	9:30:00 AM	63537						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK.fx	11:30:00 AM	63538						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK.fx	1:30:00 PM	63539						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSEK.fx	3:30:00 PM	63540						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD	9:30:00 AM	63541						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD	11:30:00 AM	63542						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD	1:30:00 PM	63543						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD	3:30:00 PM	63544						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD.fx	9:30:00 AM	63545						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD.fx	11:30:00 AM	63546						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD.fx	1:30:00 PM	63547						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURSGD.fx	3:30:00 PM	63548						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD	9:30:00 AM	63549						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD	11:30:00 AM	63550						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD	1:30:00 PM	63551						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD	3:30:00 PM	63552						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD.fx	9:30:00 AM	63553						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD.fx	11:30:00 AM	63554						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD.fx	1:30:00 PM	63555						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURUSD.fx	3:30:00 PM	63556						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR	9:30:00 AM	63557						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	EURZAR	11:30:00 AM	63558						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR	1:30:00 PM	63559						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR	3:30:00 PM	63560						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR.fx	9:30:00 AM	63561						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR.fx	11:30:00 AM	63562						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR.fx	1:30:00 PM	63563						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	EURZAR.fx	3:30:00 PM	63564						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD	9:30:00 AM	63565						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD	11:30:00 AM	63566						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD	1:30:00 PM	63567						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD	3:30:00 PM	63568						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD.fx	9:30:00 AM	63569						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD.fx	11:30:00 AM	63570						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD.fx	1:30:00 PM	63571						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPAUD.fx	3:30:00 PM	63572						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD	9:30:00 AM	63573						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD	11:30:00 AM	63574						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD	1:30:00 PM	63575						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD	3:30:00 PM	63576						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD.fx	9:30:00 AM	63577						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD.fx	11:30:00 AM	63578						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD.fx	1:30:00 PM	63579						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCAD.fx	3:30:00 PM	63580						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF	9:30:00 AM	63581						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF	11:30:00 AM	63582						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF	1:30:00 PM	63583						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF	3:30:00 PM	63584						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF.fx	9:30:00 AM	63585						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF.fx	11:30:00 AM	63586						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF.fx	1:30:00 PM	63587						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCHF.fx	3:30:00 PM	63588						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCZK	9:30:00 AM	63589						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCZK	11:30:00 AM	63590						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPCZK	1:30:00 PM	63591						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	GBPCZK	3:30:00 PM	63592						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK	9:30:00 AM	63593						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK	11:30:00 AM	63594						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK	1:30:00 PM	63595						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK	3:30:00 PM	63596						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK.fx	9:30:00 AM	63597						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK.fx	11:30:00 AM	63598						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK.fx	1:30:00 PM	63599						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPDKK.fx	3:30:00 PM	63600						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHKD	9:30:00 AM	63601						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHKD	11:30:00 AM	63602						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHKD	1:30:00 PM	63603						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHKD	3:30:00 PM	63604						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHUF	9:30:00 AM	63605						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHUF	11:30:00 AM	63606						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHUF	1:30:00 PM	63607						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPHUF	3:30:00 PM	63608						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY	9:30:00 AM	63609						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY	11:30:00 AM	63610						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY	1:30:00 PM	63611						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY	3:30:00 PM	63612						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY.fx	9:30:00 AM	63613						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY.fx	11:30:00 AM	63614						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY.fx	1:30:00 PM	63615						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPJPY.fx	3:30:00 PM	63616						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPMXN	9:30:00 AM	63617						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPMXN	11:30:00 AM	63618						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPMXN	1:30:00 PM	63619						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPMXN	3:30:00 PM	63620						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK	9:30:00 AM	63621						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK	11:30:00 AM	63622						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK	1:30:00 PM	63623						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK	3:30:00 PM	63624						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK.fx	9:30:00 AM	63625						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	GBPNOK.fx	11:30:00 AM	63626						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK.fx	1:30:00 PM	63627						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNOK.fx	3:30:00 PM	63628						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD	9:30:00 AM	63629						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD	11:30:00 AM	63630						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD	1:30:00 PM	63631						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD	3:30:00 PM	63632						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD.fx	9:30:00 AM	63633						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD.fx	11:30:00 AM	63634						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD.fx	1:30:00 PM	63635						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPNZD.fx	3:30:00 PM	63636						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN	9:30:00 AM	63637						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN	11:30:00 AM	63638						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN	1:30:00 PM	63639						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN	3:30:00 PM	63640						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN.fx	9:30:00 AM	63641						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN.fx	11:30:00 AM	63642						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN.fx	1:30:00 PM	63643						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPPLN.fx	3:30:00 PM	63644						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK	9:30:00 AM	63645						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK	11:30:00 AM	63646						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK	1:30:00 PM	63647						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK	3:30:00 PM	63648						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK.fx	9:30:00 AM	63649						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK.fx	11:30:00 AM	63650						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK.fx	1:30:00 PM	63651						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSEK.fx	3:30:00 PM	63652						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD	9:30:00 AM	63653						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD	11:30:00 AM	63654						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD	1:30:00 PM	63655						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD	3:30:00 PM	63656						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD.fx	9:30:00 AM	63657						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD.fx	11:30:00 AM	63658						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPSGD.fx	1:30:00 PM	63659						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	GBPSGD.fx	3:30:00 PM	63660						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD	9:30:00 AM	63661						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD	11:30:00 AM	63662						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD	1:30:00 PM	63663						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD	3:30:00 PM	63664						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD.fx	9:30:00 AM	63665						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD.fx	11:30:00 AM	63666						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD.fx	1:30:00 PM	63667						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPUSD.fx	3:30:00 PM	63668						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR	9:30:00 AM	63669						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR	11:30:00 AM	63670						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR	1:30:00 PM	63671						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR	3:30:00 PM	63672						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR.fx	9:30:00 AM	63673						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR.fx	11:30:00 AM	63674						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR.fx	1:30:00 PM	63675						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GBPZAR.fx	3:30:00 PM	63676						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GOLD	9:30:00 AM	63677						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GOLD	11:30:00 AM	63678						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GOLD	1:30:00 PM	63679						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	GOLD	3:30:00 PM	63680						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY	9:30:00 AM	63681						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY	11:30:00 AM	63682						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY	1:30:00 PM	63683						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY	3:30:00 PM	63684						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY.fx	9:30:00 AM	63685						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY.fx	11:30:00 AM	63686						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY.fx	1:30:00 PM	63687						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HKDJPY.fx	3:30:00 PM	63688						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HUFJPY	9:30:00 AM	63689						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HUFJPY	11:30:00 AM	63690						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HUFJPY	1:30:00 PM	63691						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	HUFJPY	3:30:00 PM	63692						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JP225.i	9:30:00 AM	63693						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	JP225.i	11:30:00 AM	63694						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JP225.i	1:30:00 PM	63695						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JP225.i	3:30:00 PM	63696						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	MXNJPY	9:30:00 AM	63697						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	MXNJPY	11:30:00 AM	63698						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	MXNJPY	1:30:00 PM	63699						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	MXNJPY	3:30:00 PM	63700						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NASDAQ.i	9:30:00 AM	63701						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NASDAQ.i	11:30:00 AM	63702						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NASDAQ.i	1:30:00 PM	63703						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NASDAQ.i	3:30:00 PM	63704						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY	9:30:00 AM	63705						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY	11:30:00 AM	63706						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY	1:30:00 PM	63707						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY	3:30:00 PM	63708						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY.fx	9:30:00 AM	63709						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY.fx	11:30:00 AM	63710						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY.fx	1:30:00 PM	63711						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NOKJPY.fx	3:30:00 PM	63712						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD	9:30:00 AM	63713						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD	11:30:00 AM	63714						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD	1:30:00 PM	63715						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD	3:30:00 PM	63716						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD.fx	9:30:00 AM	63717						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD.fx	11:30:00 AM	63718						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD.fx	1:30:00 PM	63719						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCAD.fx	3:30:00 PM	63720						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF	9:30:00 AM	63721						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF	11:30:00 AM	63722						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF	1:30:00 PM	63723						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF	3:30:00 PM	63724						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF.fx	9:30:00 AM	63725						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF.fx	11:30:00 AM	63726						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCHF.fx	1:30:00 PM	63727						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	NZDCHF.fx	3:30:00 PM	63728						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCZK	9:30:00 AM	63729						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCZK	11:30:00 AM	63730						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCZK	1:30:00 PM	63731						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDCZK	3:30:00 PM	63732						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDDKK	9:30:00 AM	63733						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDDKK	11:30:00 AM	63734						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDDKK	1:30:00 PM	63735						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDDKK	3:30:00 PM	63736						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHKD	9:30:00 AM	63737						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHKD	11:30:00 AM	63738						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHKD	1:30:00 PM	63739						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHKD	3:30:00 PM	63740						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHUF	9:30:00 AM	63741						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHUF	11:30:00 AM	63742						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHUF	1:30:00 PM	63743						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDHUF	3:30:00 PM	63744						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY	9:30:00 AM	63745						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY	11:30:00 AM	63746						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY	1:30:00 PM	63747						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY	3:30:00 PM	63748						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY.fx	9:30:00 AM	63749						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY.fx	11:30:00 AM	63750						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY.fx	1:30:00 PM	63751						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDJPY.fx	3:30:00 PM	63752						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDMXN	9:30:00 AM	63753						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDMXN	11:30:00 AM	63754						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDMXN	1:30:00 PM	63755						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDMXN	3:30:00 PM	63756						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDNOK	9:30:00 AM	63757						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDNOK	11:30:00 AM	63758						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDNOK	1:30:00 PM	63759						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDNOK	3:30:00 PM	63760						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDPLN	9:30:00 AM	63761						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	NZDPLN	11:30:00 AM	63762						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDPLN	1:30:00 PM	63763						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDPLN	3:30:00 PM	63764						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSEK	9:30:00 AM	63765						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSEK	11:30:00 AM	63766						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSEK	1:30:00 PM	63767						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSEK	3:30:00 PM	63768						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD	9:30:00 AM	63769						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD	11:30:00 AM	63770						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD	1:30:00 PM	63771						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD	3:30:00 PM	63772						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD.fx	9:30:00 AM	63773						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD.fx	11:30:00 AM	63774						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD.fx	1:30:00 PM	63775						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDSGD.fx	3:30:00 PM	63776						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD	9:30:00 AM	63777						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD	11:30:00 AM	63778						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD	1:30:00 PM	63779						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD	3:30:00 PM	63780						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD.fx	9:30:00 AM	63781						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD.fx	11:30:00 AM	63782						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD.fx	1:30:00 PM	63783						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDUSD.fx	3:30:00 PM	63784						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDZAR	9:30:00 AM	63785						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDZAR	11:30:00 AM	63786						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDZAR	1:30:00 PM	63787						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	NZDZAR	3:30:00 PM	63788						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY	9:30:00 AM	63789						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY	11:30:00 AM	63790						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY	1:30:00 PM	63791						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY	3:30:00 PM	63792						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY.fx	9:30:00 AM	63793						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY.fx	11:30:00 AM	63794						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SEKJPY.fx	1:30:00 PM	63795						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	SEKJPY.fx	3:30:00 PM	63796						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SGDJPY	9:30:00 AM	63797						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SGDJPY	11:30:00 AM	63798						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SGDJPY	1:30:00 PM	63799						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SGDJPY	3:30:00 PM	63800						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SILVER	9:30:00 AM	63801						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SILVER	11:30:00 AM	63802						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SILVER	1:30:00 PM	63803						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SILVER	3:30:00 PM	63804						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SPX500.i	9:30:00 AM	63805						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SPX500.i	11:30:00 AM	63806						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SPX500.i	1:30:00 PM	63807						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	SPX500.i	3:30:00 PM	63808						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	UK100.i	9:30:00 AM	63809						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	UK100.i	11:30:00 AM	63810						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	UK100.i	1:30:00 PM	63811						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	UK100.i	3:30:00 PM	63812						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD	9:30:00 AM	63813						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD	11:30:00 AM	63814						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD	1:30:00 PM	63815						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD	3:30:00 PM	63816						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD.fx	9:30:00 AM	63817						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD.fx	11:30:00 AM	63818						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD.fx	1:30:00 PM	63819						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCAD.fx	3:30:00 PM	63820						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF	9:30:00 AM	63821						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF	11:30:00 AM	63822						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF	1:30:00 PM	63823						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF	3:30:00 PM	63824						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF.fx	9:30:00 AM	63825						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF.fx	11:30:00 AM	63826						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF.fx	1:30:00 PM	63827						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCHF.fx	3:30:00 PM	63828						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK	9:30:00 AM	63829						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	USDCZK	11:30:00 AM	63830						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK	1:30:00 PM	63831						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK	3:30:00 PM	63832						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK.fx	9:30:00 AM	63833						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK.fx	11:30:00 AM	63834						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK.fx	1:30:00 PM	63835						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDCZK.fx	3:30:00 PM	63836						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK	9:30:00 AM	63837						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK	11:30:00 AM	63838						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK	1:30:00 PM	63839						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK	3:30:00 PM	63840						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK.fx	9:30:00 AM	63841						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK.fx	11:30:00 AM	63842						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK.fx	1:30:00 PM	63843						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDDKK.fx	3:30:00 PM	63844						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD	9:30:00 AM	63845						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD	11:30:00 AM	63846						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD	1:30:00 PM	63847						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD	3:30:00 PM	63848						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD.fx	9:30:00 AM	63849						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD.fx	11:30:00 AM	63850						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD.fx	1:30:00 PM	63851						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHKD.fx	3:30:00 PM	63852						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF	9:30:00 AM	63853						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF	11:30:00 AM	63854						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF	1:30:00 PM	63855						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF	3:30:00 PM	63856						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF.fx	9:30:00 AM	63857						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF.fx	11:30:00 AM	63858						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF.fx	1:30:00 PM	63859						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDHUF.fx	3:30:00 PM	63860						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDINR	9:30:00 AM	63861						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDINR	11:30:00 AM	63862						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDINR	1:30:00 PM	63863						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	USDINR	3:30:00 PM	63864						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY	9:30:00 AM	63865						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY	11:30:00 AM	63866						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY	1:30:00 PM	63867						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY	3:30:00 PM	63868						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY.fx	9:30:00 AM	63869						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY.fx	11:30:00 AM	63870						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY.fx	1:30:00 PM	63871						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDJPY.fx	3:30:00 PM	63872						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDMXN	9:30:00 AM	63873						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDMXN	11:30:00 AM	63874						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDMXN	1:30:00 PM	63875						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDMXN	3:30:00 PM	63876						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JSDMXN.fx	9:30:00 AM	63877						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JSDMXN.fx	11:30:00 AM	63878						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JSDMXN.fx	1:30:00 PM	63879						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	JSDMXN.fx	3:30:00 PM	63880						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK	9:30:00 AM	63881						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK	11:30:00 AM	63882						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK	1:30:00 PM	63883						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK	3:30:00 PM	63884						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK.fx	9:30:00 AM	63885						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK.fx	11:30:00 AM	63886						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK.fx	1:30:00 PM	63887						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDNOK.fx	3:30:00 PM	63888						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN	9:30:00 AM	63889						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN	11:30:00 AM	63890						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN	1:30:00 PM	63891						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN	3:30:00 PM	63892						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN.fx	9:30:00 AM	63893						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN.fx	11:30:00 AM	63894						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN.fx	1:30:00 PM	63895						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDPLN.fx	3:30:00 PM	63896						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDRUB	9:30:00 AM	63897						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	USDRUB	11:30:00 AM	63898						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDRUB	1:30:00 PM	63899						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDRUB	3:30:00 PM	63900						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK	9:30:00 AM	63901						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK	11:30:00 AM	63902						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK	1:30:00 PM	63903						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK	3:30:00 PM	63904						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK.fx	9:30:00 AM	63905						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK.fx	11:30:00 AM	63906						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK.fx	1:30:00 PM	63907						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSEK.fx	3:30:00 PM	63908						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD	9:30:00 AM	63909						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD	11:30:00 AM	63910						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD	1:30:00 PM	63911						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD	3:30:00 PM	63912						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD.fx	9:30:00 AM	63913						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD.fx	11:30:00 AM	63914						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD.fx	1:30:00 PM	63915						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDSGD.fx	3:30:00 PM	63916						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR	9:30:00 AM	63917						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR	11:30:00 AM	63918						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR	1:30:00 PM	63919						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR	3:30:00 PM	63920						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR.fx	9:30:00 AM	63921						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR.fx	11:30:00 AM	63922						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR.fx	1:30:00 PM	63923						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	USDZAR.fx	3:30:00 PM	63924						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	XAUUSD	9:30:00 AM	63925						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	XAUUSD	11:30:00 AM	63926						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	XAUUSD	1:30:00 PM	63927						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	XAUUSD	3:30:00 PM	63928						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY	9:30:00 AM	63929						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY	11:30:00 AM	63930						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY	1:30:00 PM	63931						Continuous Quote	N/A	ELECTRONIC	N/A

11/23/2019	ZARJPY	3:30:00 PM	63932						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY.fx	9:30:00 AM	63933						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY.fx	11:30:00 AM	63934						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY.fx	1:30:00 PM	63935						Continuous Quote	N/A	ELECTRONIC	N/A
11/23/2019	ZARJPY.fx	3:30:00 PM	63936						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AA	9:30:00 AM	63937						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AA	11:30:00 AM	63938						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AA	1:30:00 PM	63939						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AA	3:30:00 PM	63940						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AABA	9:30:00 AM	63941						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AABA	11:30:00 AM	63942						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AABA	1:30:00 PM	63943						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AABA	3:30:00 PM	63944						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAL	9:30:00 AM	63945						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAL	11:30:00 AM	63946						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAL	1:30:00 PM	63947						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAL	3:30:00 PM	63948						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAPL	9:30:00 AM	63949						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAPL	11:30:00 AM	63950						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAPL	1:30:00 PM	63951						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AAPL	3:30:00 PM	63952						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#ADBE	9:30:00 AM	63953						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#ADBE	11:30:00 AM	63954						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#ADBE	1:30:00 PM	63955						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#ADBE	3:30:00 PM	63956						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AIG	9:30:00 AM	63957						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#AIG	1:30:00 PM	63959						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AIG	3:30:00 PM	63960						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMD	9:30:00 AM	63961						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMD	11:30:00 AM	63962						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMD	1:30:00 PM	63963						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMD	3:30:00 PM	63964						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMZN	9:30:00 AM	63965						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	#AMZN	11:30:00 AM	63966						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMZN	1:30:00 PM	63967						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AMZN	3:30:00 PM	63968						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AXP	9:30:00 AM	63969						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AXP	11:30:00 AM	63970						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AXP	1:30:00 PM	63971						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#AXP	3:30:00 PM	63972						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BA	9:30:00 AM	63973						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BA	11:30:00 AM	63974						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BA	1:30:00 PM	63975						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BA	3:30:00 PM	63976						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BABA	9:30:00 AM	63977						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BABA	11:30:00 AM	63978						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BABA	1:30:00 PM	63979						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BABA	3:30:00 PM	63980						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BAC	9:30:00 AM	63981						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BAC	11:30:00 AM	63982						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BAC	1:30:00 PM	63983						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BAC	3:30:00 PM	63984						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BARC	9:30:00 AM	63985						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BARC	11:30:00 AM	63986						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BARC	1:30:00 PM	63987						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BARC	3:30:00 PM	63988						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BHP	9:30:00 AM	63989						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BHP	11:30:00 AM	63990						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BHP	1:30:00 PM	63991						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#BIDU	3:30:00 PM	63996						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#Bitcoin	9:30:00 AM	63997						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#Bitcoin	11:30:00 AM	63998						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#Bitcoin	1:30:00 PM	63999						Continuous Quote	N/A	ELECTRONIC	N/A

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11/24/2019	#BK	11:30:00 AM	64002						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BK	1:30:00 PM	64003						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BK	3:30:00 PM	64004						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BLT	9:30:00 AM	64005						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#BLT	1:30:00 PM	64007						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BLT	3:30:00 PM	64008						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BP	9:30:00 AM	64009						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#BP	3:30:00 PM	64012						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BTA	9:30:00 AM	64013						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BTA	11:30:00 AM	64014						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BTA	1:30:00 PM	64015						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#BTA	3:30:00 PM	64016						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#C	9:30:00 AM	64017						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#C	11:30:00 AM	64018						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#C	3:30:00 PM	64020						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CAT	9:30:00 AM	64021						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CHL	9:30:00 AM	64025						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CHL	11:30:00 AM	64026						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CHL	1:30:00 PM	64027						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CHL	3:30:00 PM	64028						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CL.f	9:30:00 AM	64029						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CL.f	3:30:00 PM	64032						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CMCSA	9:30:00 AM	64033						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	#CMCSA	11:30:00 AM	64034						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CMCSA	3:30:00 PM	64036						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CSCO	11:30:00 AM	64038						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CSCO	3:30:00 PM	64040						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	#CVX	11:30:00 AM	64042						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	#CVX	1:30:00 PM	64043						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	AUDSEK	3:30:00 PM	64448						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSEK.fx	9:30:00 AM	64449						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSEK.fx	11:30:00 AM	64450						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSEK.fx	1:30:00 PM	64451						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSEK.fx	3:30:00 PM	64452						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD	9:30:00 AM	64453						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD	11:30:00 AM	64454						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD	1:30:00 PM	64455						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD	3:30:00 PM	64456						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD.fx	9:30:00 AM	64457						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD.fx	11:30:00 AM	64458						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD.fx	1:30:00 PM	64459						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDSGD.fx	3:30:00 PM	64460						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD	9:30:00 AM	64461						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD	11:30:00 AM	64462						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD	1:30:00 PM	64463						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD	3:30:00 PM	64464						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD.fx	9:30:00 AM	64465						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD.fx	11:30:00 AM	64466						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD.fx	1:30:00 PM	64467						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDUSD.fx	3:30:00 PM	64468						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDZAR	9:30:00 AM	64469						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDZAR	11:30:00 AM	64470						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDZAR	1:30:00 PM	64471						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUDZAR	3:30:00 PM	64472						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUS200.i	9:30:00 AM	64473						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUS200.i	11:30:00 AM	64474						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	AUS200.i	1:30:00 PM	64475						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	AUS200.i	3:30:00 PM	64476						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	BCHUSD	11:30:00 AM	64478						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	BCHUSD	1:30:00 PM	64479						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	BCHUSD	3:30:00 PM	64480						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF	9:30:00 AM	64481						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF	11:30:00 AM	64482						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF	1:30:00 PM	64483						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF	3:30:00 PM	64484						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF.fx	9:30:00 AM	64485						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF.fx	11:30:00 AM	64486						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF.fx	1:30:00 PM	64487						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCHF.fx	3:30:00 PM	64488						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCZK	9:30:00 AM	64489						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCZK	11:30:00 AM	64490						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCZK	1:30:00 PM	64491						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADCZK	3:30:00 PM	64492						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADDDKK	9:30:00 AM	64493						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADDDKK	11:30:00 AM	64494						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADDDKK	1:30:00 PM	64495						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADDDKK	3:30:00 PM	64496						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHKD	9:30:00 AM	64497						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHKD	11:30:00 AM	64498						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHKD	1:30:00 PM	64499						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHKD	3:30:00 PM	64500						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHUF	9:30:00 AM	64501						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHUF	11:30:00 AM	64502						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHUF	1:30:00 PM	64503						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADHUF	3:30:00 PM	64504						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY	9:30:00 AM	64505						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY	11:30:00 AM	64506						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY	1:30:00 PM	64507						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY	3:30:00 PM	64508						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY.fx	9:30:00 AM	64509						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	CADJPY.fx	11:30:00 AM	64510						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY.fx	1:30:00 PM	64511						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADJPY.fx	3:30:00 PM	64512						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADMXN	9:30:00 AM	64513						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADMXN	11:30:00 AM	64514						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADMXN	1:30:00 PM	64515						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADMXN	3:30:00 PM	64516						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADNOK	9:30:00 AM	64517						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADNOK	11:30:00 AM	64518						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADNOK	1:30:00 PM	64519						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	CADPLN	9:30:00 AM	64521						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADPLN	11:30:00 AM	64522						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADPLN	1:30:00 PM	64523						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADPLN	3:30:00 PM	64524						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSEK	9:30:00 AM	64525						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSEK	11:30:00 AM	64526						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSEK	1:30:00 PM	64527						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSEK	3:30:00 PM	64528						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSGD	9:30:00 AM	64529						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSGD	11:30:00 AM	64530						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSGD	1:30:00 PM	64531						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADSGD	3:30:00 PM	64532						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADZAR	9:30:00 AM	64533						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADZAR	11:30:00 AM	64534						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADZAR	1:30:00 PM	64535						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CADZAR	3:30:00 PM	64536						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	CHFCZK	11:30:00 AM	64538						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFCZK	1:30:00 PM	64539						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFCZK	3:30:00 PM	64540						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK	9:30:00 AM	64541						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK	11:30:00 AM	64542						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK	1:30:00 PM	64543						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	CHFDKK	3:30:00 PM	64544						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK.fx	9:30:00 AM	64545						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK.fx	11:30:00 AM	64546						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK.fx	1:30:00 PM	64547						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFDKK.fx	3:30:00 PM	64548						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHKD	9:30:00 AM	64549						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHKD	11:30:00 AM	64550						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHKD	1:30:00 PM	64551						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHKD	3:30:00 PM	64552						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHUF	9:30:00 AM	64553						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHUF	11:30:00 AM	64554						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHUF	1:30:00 PM	64555						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFHUF	3:30:00 PM	64556						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY	9:30:00 AM	64557						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY	11:30:00 AM	64558						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY	1:30:00 PM	64559						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY	3:30:00 PM	64560						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY.fx	9:30:00 AM	64561						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY.fx	11:30:00 AM	64562						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY.fx	1:30:00 PM	64563						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFJPY.fx	3:30:00 PM	64564						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFMXN	9:30:00 AM	64565						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFMXN	11:30:00 AM	64566						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFMXN	1:30:00 PM	64567						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFMXN	3:30:00 PM	64568						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK	9:30:00 AM	64569						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK	11:30:00 AM	64570						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK	1:30:00 PM	64571						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK	3:30:00 PM	64572						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK.fx	9:30:00 AM	64573						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK.fx	11:30:00 AM	64574						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK.fx	1:30:00 PM	64575						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFNOK.fx	3:30:00 PM	64576						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN	9:30:00 AM	64577						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	CHFPLN	11:30:00 AM	64578						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN	1:30:00 PM	64579						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN	3:30:00 PM	64580						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN.fx	9:30:00 AM	64581						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN.fx	11:30:00 AM	64582						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN.fx	1:30:00 PM	64583						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFPLN.fx	3:30:00 PM	64584						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	CHFSEK	11:30:00 AM	64586						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFSEK	1:30:00 PM	64587						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFSEK	3:30:00 PM	64588						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFSGD	9:30:00 AM	64589						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	CHFSGD.fx	1:30:00 PM	64595						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFSGD.fx	3:30:00 PM	64596						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	CHFZAR	11:30:00 AM	64598						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFZAR	1:30:00 PM	64599						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CHFZAR	3:30:00 PM	64600						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CZKJPY	9:30:00 AM	64601						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CZKJPY	11:30:00 AM	64602						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CZKJPY	1:30:00 PM	64603						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	CZKJPY	3:30:00 PM	64604						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DAX30.i	9:30:00 AM	64605						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DAX30.i	11:30:00 AM	64606						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DAX30.i	1:30:00 PM	64607						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DAX30.i	3:30:00 PM	64608						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DJ30.i	9:30:00 AM	64609						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DJ30.i	11:30:00 AM	64610						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DJ30.i	1:30:00 PM	64611						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	DJ30.i	3:30:00 PM	64612						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DKKJPY	9:30:00 AM	64613						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DKKJPY	11:30:00 AM	64614						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DKKJPY	1:30:00 PM	64615						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	DKKJPY	3:30:00 PM	64616						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURAUD	9:30:00 AM	64617						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURAUD	11:30:00 AM	64618						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	EURAUD	3:30:00 PM	64620						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	EURCAD	9:30:00 AM	64625						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD	11:30:00 AM	64626						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD	1:30:00 PM	64627						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD	3:30:00 PM	64628						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD.fx	9:30:00 AM	64629						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD.fx	11:30:00 AM	64630						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD.fx	1:30:00 PM	64631						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCAD.fx	3:30:00 PM	64632						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF	9:30:00 AM	64633						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF	11:30:00 AM	64634						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	EURCHF	3:30:00 PM	64636						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF.fx	9:30:00 AM	64637						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF.fx	11:30:00 AM	64638						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF.fx	1:30:00 PM	64639						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCHF.fx	3:30:00 PM	64640						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCZK	9:30:00 AM	64641						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCZK	11:30:00 AM	64642						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCZK	1:30:00 PM	64643						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURCZK	3:30:00 PM	64644						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURDKK	9:30:00 AM	64645						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	EURDKK	11:30:00 AM	64646						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURDKK	1:30:00 PM	64647						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURDKK	3:30:00 PM	64648						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP	9:30:00 AM	64649						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP	11:30:00 AM	64650						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP	1:30:00 PM	64651						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP	3:30:00 PM	64652						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP.fx	9:30:00 AM	64653						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP.fx	11:30:00 AM	64654						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP.fx	1:30:00 PM	64655						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURGBP.fx	3:30:00 PM	64656						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD	9:30:00 AM	64657						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD	11:30:00 AM	64658						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD	1:30:00 PM	64659						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD	3:30:00 PM	64660						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD.fx	9:30:00 AM	64661						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD.fx	11:30:00 AM	64662						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD.fx	1:30:00 PM	64663						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHKD.fx	3:30:00 PM	64664						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF	9:30:00 AM	64665						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF	11:30:00 AM	64666						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF	1:30:00 PM	64667						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF	3:30:00 PM	64668						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF.fx	9:30:00 AM	64669						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF.fx	11:30:00 AM	64670						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF.fx	1:30:00 PM	64671						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURHUF.fx	3:30:00 PM	64672						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY	9:30:00 AM	64673						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY	11:30:00 AM	64674						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY	1:30:00 PM	64675						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY	3:30:00 PM	64676						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY.fx	9:30:00 AM	64677						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY.fx	11:30:00 AM	64678						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURJPY.fx	1:30:00 PM	64679						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	EURJPY.fx	3:30:00 PM	64680						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN	9:30:00 AM	64681						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN	11:30:00 AM	64682						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN	1:30:00 PM	64683						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN	3:30:00 PM	64684						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN.fx	9:30:00 AM	64685						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN.fx	11:30:00 AM	64686						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN.fx	1:30:00 PM	64687						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURMXN.fx	3:30:00 PM	64688						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK	9:30:00 AM	64689						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK	11:30:00 AM	64690						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK	1:30:00 PM	64691						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK	3:30:00 PM	64692						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK.fx	9:30:00 AM	64693						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK.fx	11:30:00 AM	64694						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK.fx	1:30:00 PM	64695						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNOK.fx	3:30:00 PM	64696						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD	9:30:00 AM	64697						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD	11:30:00 AM	64698						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD	1:30:00 PM	64699						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD	3:30:00 PM	64700						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD.fx	9:30:00 AM	64701						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD.fx	11:30:00 AM	64702						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD.fx	1:30:00 PM	64703						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURNZD.fx	3:30:00 PM	64704						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN	9:30:00 AM	64705						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN	11:30:00 AM	64706						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN	1:30:00 PM	64707						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN	3:30:00 PM	64708						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN.fx	9:30:00 AM	64709						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN.fx	11:30:00 AM	64710						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN.fx	1:30:00 PM	64711						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURPLN.fx	3:30:00 PM	64712						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURRUB	9:30:00 AM	64713						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	EURRUB	11:30:00 AM	64714						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURRUB	1:30:00 PM	64715						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURRUB	3:30:00 PM	64716						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK	9:30:00 AM	64717						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK	11:30:00 AM	64718						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK	1:30:00 PM	64719						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK	3:30:00 PM	64720						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK.fx	9:30:00 AM	64721						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK.fx	11:30:00 AM	64722						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK.fx	1:30:00 PM	64723						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSEK.fx	3:30:00 PM	64724						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD	9:30:00 AM	64725						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD	11:30:00 AM	64726						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD	1:30:00 PM	64727						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD	3:30:00 PM	64728						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD.fx	9:30:00 AM	64729						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD.fx	11:30:00 AM	64730						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD.fx	1:30:00 PM	64731						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURSGD.fx	3:30:00 PM	64732						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD	9:30:00 AM	64733						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD	11:30:00 AM	64734						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD	1:30:00 PM	64735						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD	3:30:00 PM	64736						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD.fx	9:30:00 AM	64737						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD.fx	11:30:00 AM	64738						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD.fx	1:30:00 PM	64739						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURUSD.fx	3:30:00 PM	64740						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR	9:30:00 AM	64741						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR	11:30:00 AM	64742						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR	1:30:00 PM	64743						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR	3:30:00 PM	64744						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR.fx	9:30:00 AM	64745						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR.fx	11:30:00 AM	64746						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	EURZAR.fx	1:30:00 PM	64747						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	EURZAR.fx	3:30:00 PM	64748						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD	9:30:00 AM	64749						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD	11:30:00 AM	64750						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD	1:30:00 PM	64751						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD	3:30:00 PM	64752						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD.fx	9:30:00 AM	64753						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD.fx	11:30:00 AM	64754						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD.fx	1:30:00 PM	64755						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPAUD.fx	3:30:00 PM	64756						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD	9:30:00 AM	64757						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD	11:30:00 AM	64758						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD	1:30:00 PM	64759						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD	3:30:00 PM	64760						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD.fx	9:30:00 AM	64761						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD.fx	11:30:00 AM	64762						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD.fx	1:30:00 PM	64763						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCAD.fx	3:30:00 PM	64764						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF	9:30:00 AM	64765						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF	11:30:00 AM	64766						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF	1:30:00 PM	64767						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF	3:30:00 PM	64768						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF.fx	9:30:00 AM	64769						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF.fx	11:30:00 AM	64770						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF.fx	1:30:00 PM	64771						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCHF.fx	3:30:00 PM	64772						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCZK	9:30:00 AM	64773						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCZK	11:30:00 AM	64774						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCZK	1:30:00 PM	64775						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPCZK	3:30:00 PM	64776						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK	9:30:00 AM	64777						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK	11:30:00 AM	64778						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK	1:30:00 PM	64779						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK	3:30:00 PM	64780						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK.fx	9:30:00 AM	64781						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	GBPDKK.fx	11:30:00 AM	64782						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK.fx	1:30:00 PM	64783						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPDKK.fx	3:30:00 PM	64784						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHKD	9:30:00 AM	64785						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHKD	11:30:00 AM	64786						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHKD	1:30:00 PM	64787						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHKD	3:30:00 PM	64788						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHUF	9:30:00 AM	64789						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHUF	11:30:00 AM	64790						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHUF	1:30:00 PM	64791						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPHUF	3:30:00 PM	64792						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY	9:30:00 AM	64793						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY	11:30:00 AM	64794						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	GBPJPY	3:30:00 PM	64796						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY.fx	9:30:00 AM	64797						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY.fx	11:30:00 AM	64798						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY.fx	1:30:00 PM	64799						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPJPY.fx	3:30:00 PM	64800						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPMXN	9:30:00 AM	64801						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPMXN	11:30:00 AM	64802						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPMXN	1:30:00 PM	64803						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPMXN	3:30:00 PM	64804						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNOK	9:30:00 AM	64805						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNOK	11:30:00 AM	64806						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	GBPNOK	3:30:00 PM	64808						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNOK.fx	9:30:00 AM	64809						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	GBPNOK.fx	3:30:00 PM	64812						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD	9:30:00 AM	64813						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD	11:30:00 AM	64814						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD	1:30:00 PM	64815						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	GBPNZD	3:30:00 PM	64816						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD.fx	9:30:00 AM	64817						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD.fx	11:30:00 AM	64818						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD.fx	1:30:00 PM	64819						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPNZD.fx	3:30:00 PM	64820						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPPLN	9:30:00 AM	64821						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPPLN	11:30:00 AM	64822						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	GBPPLN	3:30:00 PM	64824						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPPLN.fx	9:30:00 AM	64825						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPPLN.fx	11:30:00 AM	64826						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPPLN.fx	1:30:00 PM	64827						Continuous Quote	N/A	ELECTRONIC	N/A
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11/24/2019	GBPSEK	9:30:00 AM	64829						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK	11:30:00 AM	64830						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK	1:30:00 PM	64831						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK	3:30:00 PM	64832						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK.fx	9:30:00 AM	64833						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK.fx	11:30:00 AM	64834						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK.fx	1:30:00 PM	64835						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSEK.fx	3:30:00 PM	64836						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD	9:30:00 AM	64837						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD	11:30:00 AM	64838						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD	1:30:00 PM	64839						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD	3:30:00 PM	64840						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD.fx	9:30:00 AM	64841						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD.fx	11:30:00 AM	64842						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD.fx	1:30:00 PM	64843						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPSGD.fx	3:30:00 PM	64844						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD	9:30:00 AM	64845						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD	11:30:00 AM	64846						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD	1:30:00 PM	64847						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD	3:30:00 PM	64848						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD.fx	9:30:00 AM	64849						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	GBPUSD.fx	11:30:00 AM	64850						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD.fx	1:30:00 PM	64851						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPUSD.fx	3:30:00 PM	64852						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR	9:30:00 AM	64853						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR	11:30:00 AM	64854						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR	1:30:00 PM	64855						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR	3:30:00 PM	64856						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR.fx	9:30:00 AM	64857						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR.fx	11:30:00 AM	64858						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR.fx	1:30:00 PM	64859						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GBPZAR.fx	3:30:00 PM	64860						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GOLD	9:30:00 AM	64861						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GOLD	11:30:00 AM	64862						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GOLD	1:30:00 PM	64863						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	GOLD	3:30:00 PM	64864						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY	9:30:00 AM	64865						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY	11:30:00 AM	64866						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY	1:30:00 PM	64867						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY	3:30:00 PM	64868						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY.fx	9:30:00 AM	64869						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY.fx	11:30:00 AM	64870						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY.fx	1:30:00 PM	64871						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HKDJPY.fx	3:30:00 PM	64872						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HUFJPY	9:30:00 AM	64873						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HUFJPY	11:30:00 AM	64874						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HUFJPY	1:30:00 PM	64875						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	HUFJPY	3:30:00 PM	64876						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JP225.i	9:30:00 AM	64877						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JP225.i	11:30:00 AM	64878						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JP225.i	1:30:00 PM	64879						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JP225.i	3:30:00 PM	64880						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	MXNJPY	9:30:00 AM	64881						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	MXNJPY	11:30:00 AM	64882						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	MXNJPY	1:30:00 PM	64883						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	MXNJPY	3:30:00 PM	64884						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NASDAQ.i	9:30:00 AM	64885						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NASDAQ.i	11:30:00 AM	64886						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NASDAQ.i	1:30:00 PM	64887						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NASDAQ.i	3:30:00 PM	64888						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY	9:30:00 AM	64889						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY	11:30:00 AM	64890						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY	1:30:00 PM	64891						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY	3:30:00 PM	64892						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY.fx	9:30:00 AM	64893						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY.fx	11:30:00 AM	64894						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY.fx	1:30:00 PM	64895						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NOKJPY.fx	3:30:00 PM	64896						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD	9:30:00 AM	64897						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD	11:30:00 AM	64898						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD	1:30:00 PM	64899						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD	3:30:00 PM	64900						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD.fx	9:30:00 AM	64901						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD.fx	11:30:00 AM	64902						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD.fx	1:30:00 PM	64903						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCAD.fx	3:30:00 PM	64904						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF	9:30:00 AM	64905						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF	11:30:00 AM	64906						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF	1:30:00 PM	64907						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF	3:30:00 PM	64908						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF.fx	9:30:00 AM	64909						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF.fx	11:30:00 AM	64910						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF.fx	1:30:00 PM	64911						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCHF.fx	3:30:00 PM	64912						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCZK	9:30:00 AM	64913						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCZK	11:30:00 AM	64914						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCZK	1:30:00 PM	64915						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDCZK	3:30:00 PM	64916						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDDKK	9:30:00 AM	64917						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	NZDDKK	11:30:00 AM	64918						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDDKK	1:30:00 PM	64919						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDDKK	3:30:00 PM	64920						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHKD	9:30:00 AM	64921						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHKD	11:30:00 AM	64922						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHKD	1:30:00 PM	64923						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHKD	3:30:00 PM	64924						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHUF	9:30:00 AM	64925						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHUF	11:30:00 AM	64926						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHUF	1:30:00 PM	64927						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDHUF	3:30:00 PM	64928						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY	9:30:00 AM	64929						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY	11:30:00 AM	64930						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY	1:30:00 PM	64931						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY	3:30:00 PM	64932						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY.fx	9:30:00 AM	64933						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY.fx	11:30:00 AM	64934						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY.fx	1:30:00 PM	64935						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDJPY.fx	3:30:00 PM	64936						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDMXN	9:30:00 AM	64937						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDMXN	11:30:00 AM	64938						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDMXN	1:30:00 PM	64939						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDMXN	3:30:00 PM	64940						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDNOK	9:30:00 AM	64941						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDNOK	11:30:00 AM	64942						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDNOK	1:30:00 PM	64943						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDNOK	3:30:00 PM	64944						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDPLN	9:30:00 AM	64945						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDPLN	11:30:00 AM	64946						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDPLN	1:30:00 PM	64947						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDPLN	3:30:00 PM	64948						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSEK	9:30:00 AM	64949						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSEK	11:30:00 AM	64950						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSEK	1:30:00 PM	64951						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	NZDSEK	3:30:00 PM	64952						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD	9:30:00 AM	64953						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD	11:30:00 AM	64954						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD	1:30:00 PM	64955						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD	3:30:00 PM	64956						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD.fx	9:30:00 AM	64957						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD.fx	11:30:00 AM	64958						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD.fx	1:30:00 PM	64959						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDSGD.fx	3:30:00 PM	64960						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD	9:30:00 AM	64961						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD	11:30:00 AM	64962						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD	1:30:00 PM	64963						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD	3:30:00 PM	64964						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD.fx	9:30:00 AM	64965						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD.fx	11:30:00 AM	64966						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD.fx	1:30:00 PM	64967						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDUSD.fx	3:30:00 PM	64968						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDZAR	9:30:00 AM	64969						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDZAR	11:30:00 AM	64970						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDZAR	1:30:00 PM	64971						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	NZDZAR	3:30:00 PM	64972						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY	9:30:00 AM	64973						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY	11:30:00 AM	64974						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY	1:30:00 PM	64975						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY	3:30:00 PM	64976						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY.fx	9:30:00 AM	64977						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY.fx	11:30:00 AM	64978						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY.fx	1:30:00 PM	64979						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SEKJPY.fx	3:30:00 PM	64980						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SGDJPY	9:30:00 AM	64981						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SGDJPY	11:30:00 AM	64982						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SGDJPY	1:30:00 PM	64983						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SGDJPY	3:30:00 PM	64984						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SILVER	9:30:00 AM	64985						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	SILVER	11:30:00 AM	64986						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SILVER	1:30:00 PM	64987						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SILVER	3:30:00 PM	64988						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SPX500.i	9:30:00 AM	64989						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SPX500.i	11:30:00 AM	64990						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SPX500.i	1:30:00 PM	64991						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	SPX500.i	3:30:00 PM	64992						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	UK100.i	9:30:00 AM	64993						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	UK100.i	11:30:00 AM	64994						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	UK100.i	1:30:00 PM	64995						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	UK100.i	3:30:00 PM	64996						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD	9:30:00 AM	64997						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD	11:30:00 AM	64998						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD	1:30:00 PM	64999						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD	3:30:00 PM	65000						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD.fx	9:30:00 AM	65001						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD.fx	11:30:00 AM	65002						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD.fx	1:30:00 PM	65003						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCAD.fx	3:30:00 PM	65004						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF	9:30:00 AM	65005						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF	11:30:00 AM	65006						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF	1:30:00 PM	65007						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF	3:30:00 PM	65008						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF.fx	9:30:00 AM	65009						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF.fx	11:30:00 AM	65010						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF.fx	1:30:00 PM	65011						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCHF.fx	3:30:00 PM	65012						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK	9:30:00 AM	65013						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK	11:30:00 AM	65014						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK	1:30:00 PM	65015						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK	3:30:00 PM	65016						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK.fx	9:30:00 AM	65017						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK.fx	11:30:00 AM	65018						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDCZK.fx	1:30:00 PM	65019						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	USDCZK.fx	3:30:00 PM	65020						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK	9:30:00 AM	65021						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK	11:30:00 AM	65022						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK	1:30:00 PM	65023						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK	3:30:00 PM	65024						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK.fx	9:30:00 AM	65025						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK.fx	11:30:00 AM	65026						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK.fx	1:30:00 PM	65027						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDDKK.fx	3:30:00 PM	65028						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD	9:30:00 AM	65029						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD	11:30:00 AM	65030						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD	1:30:00 PM	65031						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD	3:30:00 PM	65032						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD.fx	9:30:00 AM	65033						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD.fx	11:30:00 AM	65034						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD.fx	1:30:00 PM	65035						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHKD.fx	3:30:00 PM	65036						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF	9:30:00 AM	65037						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF	11:30:00 AM	65038						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF	1:30:00 PM	65039						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF	3:30:00 PM	65040						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF.fx	9:30:00 AM	65041						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF.fx	11:30:00 AM	65042						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF.fx	1:30:00 PM	65043						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDHUF.fx	3:30:00 PM	65044						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDINR	9:30:00 AM	65045						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDINR	11:30:00 AM	65046						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDINR	1:30:00 PM	65047						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDINR	3:30:00 PM	65048						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY	9:30:00 AM	65049						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY	11:30:00 AM	65050						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY	1:30:00 PM	65051						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY	3:30:00 PM	65052						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY.fx	9:30:00 AM	65053						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	USDJPY.fx	11:30:00 AM	65054						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY.fx	1:30:00 PM	65055						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDJPY.fx	3:30:00 PM	65056						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDMXN	9:30:00 AM	65057						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDMXN	11:30:00 AM	65058						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDMXN	1:30:00 PM	65059						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDMXN	3:30:00 PM	65060						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JSDMXN.fx	9:30:00 AM	65061						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JSDMXN.fx	11:30:00 AM	65062						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JSDMXN.fx	1:30:00 PM	65063						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	JSDMXN.fx	3:30:00 PM	65064						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK	9:30:00 AM	65065						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK	11:30:00 AM	65066						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK	1:30:00 PM	65067						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK	3:30:00 PM	65068						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK.fx	9:30:00 AM	65069						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK.fx	11:30:00 AM	65070						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK.fx	1:30:00 PM	65071						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDNOK.fx	3:30:00 PM	65072						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN	9:30:00 AM	65073						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN	11:30:00 AM	65074						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN	1:30:00 PM	65075						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN	3:30:00 PM	65076						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN.fx	9:30:00 AM	65077						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN.fx	11:30:00 AM	65078						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN.fx	1:30:00 PM	65079						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDPLN.fx	3:30:00 PM	65080						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDRUB	9:30:00 AM	65081						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDRUB	11:30:00 AM	65082						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDRUB	1:30:00 PM	65083						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDRUB	3:30:00 PM	65084						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK	9:30:00 AM	65085						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK	11:30:00 AM	65086						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK	1:30:00 PM	65087						Continuous Quote	N/A	ELECTRONIC	N/A

11/24/2019	USDSEK	3:30:00 PM	65088						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK.fx	9:30:00 AM	65089						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK.fx	11:30:00 AM	65090						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK.fx	1:30:00 PM	65091						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSEK.fx	3:30:00 PM	65092						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD	9:30:00 AM	65093						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD	11:30:00 AM	65094						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD	1:30:00 PM	65095						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD	3:30:00 PM	65096						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD.fx	9:30:00 AM	65097						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD.fx	11:30:00 AM	65098						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD.fx	1:30:00 PM	65099						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDSGD.fx	3:30:00 PM	65100						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR	9:30:00 AM	65101						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR	11:30:00 AM	65102						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR	1:30:00 PM	65103						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR	3:30:00 PM	65104						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR.fx	9:30:00 AM	65105						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR.fx	11:30:00 AM	65106						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR.fx	1:30:00 PM	65107						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	USDZAR.fx	3:30:00 PM	65108						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	XAUUSD	9:30:00 AM	65109						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	XAUUSD	11:30:00 AM	65110						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	XAUUSD	1:30:00 PM	65111						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	XAUUSD	3:30:00 PM	65112						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY	9:30:00 AM	65113						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY	11:30:00 AM	65114						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY	1:30:00 PM	65115						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY	3:30:00 PM	65116						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY.fx	9:30:00 AM	65117						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY.fx	11:30:00 AM	65118						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY.fx	1:30:00 PM	65119						Continuous Quote	N/A	ELECTRONIC	N/A
11/24/2019	ZARJPY.fx	3:30:00 PM	65120						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AA	9:30:00 AM	65121						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	#AA	11:30:00 AM	65122						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AA	1:30:00 PM	65123						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AA	3:30:00 PM	65124						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AABA	9:30:00 AM	65125						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AABA	11:30:00 AM	65126						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AABA	1:30:00 PM	65127						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AABA	3:30:00 PM	65128						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AAL	9:30:00 AM	65129						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#AAL	3:30:00 PM	65132						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#AAPL	1:30:00 PM	65135						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AAPL	3:30:00 PM	65136						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#ADBE	9:30:00 AM	65137						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#ADBE	11:30:00 AM	65138						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#ADBE	1:30:00 PM	65139						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#ADBE	3:30:00 PM	65140						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AIG	9:30:00 AM	65141						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AIG	11:30:00 AM	65142						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AIG	1:30:00 PM	65143						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AIG	3:30:00 PM	65144						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMD	9:30:00 AM	65145						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMD	11:30:00 AM	65146						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMD	1:30:00 PM	65147						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMD	3:30:00 PM	65148						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMZN	9:30:00 AM	65149						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#AMZN	1:30:00 PM	65151						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AMZN	3:30:00 PM	65152						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AXP	9:30:00 AM	65153						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AXP	11:30:00 AM	65154						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#AXP	1:30:00 PM	65155						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	#AXP	3:30:00 PM	65156						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BA	9:30:00 AM	65157						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BA	11:30:00 AM	65158						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BA	1:30:00 PM	65159						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BA	3:30:00 PM	65160						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BABA	9:30:00 AM	65161						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BABA	11:30:00 AM	65162						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BABA	1:30:00 PM	65163						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BABA	3:30:00 PM	65164						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BAC	9:30:00 AM	65165						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BAC	11:30:00 AM	65166						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BAC	1:30:00 PM	65167						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BAC	3:30:00 PM	65168						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BARC	9:30:00 AM	65169						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BARC	11:30:00 AM	65170						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BARC	1:30:00 PM	65171						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BARC	3:30:00 PM	65172						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#BHP	11:30:00 AM	65174						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BHP	1:30:00 PM	65175						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BHP	3:30:00 PM	65176						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BIDU	9:30:00 AM	65177						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BIDU	11:30:00 AM	65178						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#BIDU	3:30:00 PM	65180						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#Bitcoin	9:30:00 AM	65181						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#Bitcoin	11:30:00 AM	65182						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#Bitcoin	1:30:00 PM	65183						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#Bitcoin	3:30:00 PM	65184						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BK	9:30:00 AM	65185						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BK	11:30:00 AM	65186						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BK	1:30:00 PM	65187						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BK	3:30:00 PM	65188						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BLT	9:30:00 AM	65189						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	#BLT	11:30:00 AM	65190						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BLT	1:30:00 PM	65191						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BLT	3:30:00 PM	65192						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BP	9:30:00 AM	65193						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BP	11:30:00 AM	65194						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#BTA	1:30:00 PM	65199						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#BTA	3:30:00 PM	65200						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#C	9:30:00 AM	65201						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#C	3:30:00 PM	65204						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CAT	9:30:00 AM	65205						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#CAT	3:30:00 PM	65208						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CHL	9:30:00 AM	65209						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CHL	11:30:00 AM	65210						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CHL	1:30:00 PM	65211						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CHL	3:30:00 PM	65212						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CL.f	9:30:00 AM	65213						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CL.f	11:30:00 AM	65214						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#CL.f	3:30:00 PM	65216						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CMCSA	9:30:00 AM	65217						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#CMCSA	1:30:00 PM	65219						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CMCSA	3:30:00 PM	65220						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#CSCO	11:30:00 AM	65222						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CSCO	1:30:00 PM	65223						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	#CSCO	3:30:00 PM	65224						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CVX	9:30:00 AM	65225						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CVX	11:30:00 AM	65226						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CVX	1:30:00 PM	65227						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#CVX	3:30:00 PM	65228						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#DD	9:30:00 AM	65229						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	#DD	1:30:00 PM	65231						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	#DD	3:30:00 PM	65232						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	AUDSGD	9:30:00 AM	65637						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD	11:30:00 AM	65638						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD	1:30:00 PM	65639						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD	3:30:00 PM	65640						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD.fx	9:30:00 AM	65641						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD.fx	11:30:00 AM	65642						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD.fx	1:30:00 PM	65643						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDSGD.fx	3:30:00 PM	65644						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD	9:30:00 AM	65645						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD	11:30:00 AM	65646						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD	1:30:00 PM	65647						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD	3:30:00 PM	65648						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD.fx	9:30:00 AM	65649						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD.fx	11:30:00 AM	65650						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD.fx	1:30:00 PM	65651						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDUSD.fx	3:30:00 PM	65652						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDZAR	9:30:00 AM	65653						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDZAR	11:30:00 AM	65654						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDZAR	1:30:00 PM	65655						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUDZAR	3:30:00 PM	65656						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUS200.i	9:30:00 AM	65657						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUS200.i	11:30:00 AM	65658						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUS200.i	1:30:00 PM	65659						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	AUS200.i	3:30:00 PM	65660						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	BCHUSD	9:30:00 AM	65661						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	BCHUSD	11:30:00 AM	65662						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	BCHUSD	1:30:00 PM	65663						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	BCHUSD	3:30:00 PM	65664						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF	9:30:00 AM	65665						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	CADCHF	11:30:00 AM	65666						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF	1:30:00 PM	65667						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF	3:30:00 PM	65668						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF.fx	9:30:00 AM	65669						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF.fx	11:30:00 AM	65670						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF.fx	1:30:00 PM	65671						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCHF.fx	3:30:00 PM	65672						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCZK	9:30:00 AM	65673						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCZK	11:30:00 AM	65674						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCZK	1:30:00 PM	65675						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADCZK	3:30:00 PM	65676						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADDDKK	9:30:00 AM	65677						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADDDKK	11:30:00 AM	65678						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADDDKK	1:30:00 PM	65679						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADDDKK	3:30:00 PM	65680						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHKD	9:30:00 AM	65681						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHKD	11:30:00 AM	65682						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHKD	1:30:00 PM	65683						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHKD	3:30:00 PM	65684						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHUF	9:30:00 AM	65685						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHUF	11:30:00 AM	65686						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHUF	1:30:00 PM	65687						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADHUF	3:30:00 PM	65688						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY	9:30:00 AM	65689						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY	11:30:00 AM	65690						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY	1:30:00 PM	65691						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY	3:30:00 PM	65692						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY.fx	9:30:00 AM	65693						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY.fx	11:30:00 AM	65694						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY.fx	1:30:00 PM	65695						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADJPY.fx	3:30:00 PM	65696						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADMXN	9:30:00 AM	65697						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADMXN	11:30:00 AM	65698						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADMXN	1:30:00 PM	65699						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	CADMN	3:30:00 PM	65700						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADNOK	9:30:00 AM	65701						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADNOK	11:30:00 AM	65702						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADNOK	1:30:00 PM	65703						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADNOK	3:30:00 PM	65704						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADPLN	9:30:00 AM	65705						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADPLN	11:30:00 AM	65706						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADPLN	1:30:00 PM	65707						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADPLN	3:30:00 PM	65708						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSEK	9:30:00 AM	65709						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSEK	11:30:00 AM	65710						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSEK	1:30:00 PM	65711						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSEK	3:30:00 PM	65712						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSGD	9:30:00 AM	65713						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSGD	11:30:00 AM	65714						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSGD	1:30:00 PM	65715						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADSGD	3:30:00 PM	65716						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADZAR	9:30:00 AM	65717						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADZAR	11:30:00 AM	65718						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADZAR	1:30:00 PM	65719						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CADZAR	3:30:00 PM	65720						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFCZK	9:30:00 AM	65721						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFCZK	11:30:00 AM	65722						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFCZK	1:30:00 PM	65723						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFCZK	3:30:00 PM	65724						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK	9:30:00 AM	65725						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK	11:30:00 AM	65726						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK	1:30:00 PM	65727						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK	3:30:00 PM	65728						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK.fx	9:30:00 AM	65729						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK.fx	11:30:00 AM	65730						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK.fx	1:30:00 PM	65731						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFDKK.fx	3:30:00 PM	65732						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHKD	9:30:00 AM	65733						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	CHFHKD	11:30:00 AM	65734						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHKD	1:30:00 PM	65735						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHKD	3:30:00 PM	65736						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHUF	9:30:00 AM	65737						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHUF	11:30:00 AM	65738						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHUF	1:30:00 PM	65739						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFHUF	3:30:00 PM	65740						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY	9:30:00 AM	65741						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY	11:30:00 AM	65742						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY	1:30:00 PM	65743						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY	3:30:00 PM	65744						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY.fx	9:30:00 AM	65745						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY.fx	11:30:00 AM	65746						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY.fx	1:30:00 PM	65747						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFJPY.fx	3:30:00 PM	65748						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFMXN	9:30:00 AM	65749						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFMXN	11:30:00 AM	65750						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFMXN	1:30:00 PM	65751						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFMXN	3:30:00 PM	65752						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK	9:30:00 AM	65753						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK	11:30:00 AM	65754						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK	1:30:00 PM	65755						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK	3:30:00 PM	65756						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK.fx	9:30:00 AM	65757						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK.fx	11:30:00 AM	65758						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK.fx	1:30:00 PM	65759						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFNOK.fx	3:30:00 PM	65760						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN	9:30:00 AM	65761						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN	11:30:00 AM	65762						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN	1:30:00 PM	65763						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN	3:30:00 PM	65764						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN.fx	9:30:00 AM	65765						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN.fx	11:30:00 AM	65766						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFPLN.fx	1:30:00 PM	65767						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	CHFPLN.fx	3:30:00 PM	65768						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSEK	9:30:00 AM	65769						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSEK	11:30:00 AM	65770						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSEK	1:30:00 PM	65771						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSEK	3:30:00 PM	65772						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD	9:30:00 AM	65773						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD	11:30:00 AM	65774						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD	1:30:00 PM	65775						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD	3:30:00 PM	65776						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD.fx	9:30:00 AM	65777						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD.fx	11:30:00 AM	65778						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD.fx	1:30:00 PM	65779						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFSGD.fx	3:30:00 PM	65780						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFZAR	9:30:00 AM	65781						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFZAR	11:30:00 AM	65782						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFZAR	1:30:00 PM	65783						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CHFZAR	3:30:00 PM	65784						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CZKJPY	9:30:00 AM	65785						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CZKJPY	11:30:00 AM	65786						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CZKJPY	1:30:00 PM	65787						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	CZKJPY	3:30:00 PM	65788						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DAX30.i	9:30:00 AM	65789						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DAX30.i	11:30:00 AM	65790						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DAX30.i	1:30:00 PM	65791						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DAX30.i	3:30:00 PM	65792						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DJ30.i	9:30:00 AM	65793						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DJ30.i	11:30:00 AM	65794						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DJ30.i	1:30:00 PM	65795						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DJ30.i	3:30:00 PM	65796						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DKKJPY	9:30:00 AM	65797						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DKKJPY	11:30:00 AM	65798						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DKKJPY	1:30:00 PM	65799						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	DKKJPY	3:30:00 PM	65800						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD	9:30:00 AM	65801						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	EURAUD	11:30:00 AM	65802						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD	1:30:00 PM	65803						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD	3:30:00 PM	65804						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD.fx	9:30:00 AM	65805						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD.fx	11:30:00 AM	65806						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD.fx	1:30:00 PM	65807						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURAUD.fx	3:30:00 PM	65808						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD	9:30:00 AM	65809						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD	11:30:00 AM	65810						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD	1:30:00 PM	65811						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD	3:30:00 PM	65812						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD.fx	9:30:00 AM	65813						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD.fx	11:30:00 AM	65814						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD.fx	1:30:00 PM	65815						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCAD.fx	3:30:00 PM	65816						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF	9:30:00 AM	65817						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF	11:30:00 AM	65818						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF	1:30:00 PM	65819						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF	3:30:00 PM	65820						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF.fx	9:30:00 AM	65821						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF.fx	11:30:00 AM	65822						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF.fx	1:30:00 PM	65823						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCHF.fx	3:30:00 PM	65824						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCZK	9:30:00 AM	65825						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCZK	11:30:00 AM	65826						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCZK	1:30:00 PM	65827						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURCZK	3:30:00 PM	65828						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURDKK	9:30:00 AM	65829						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURDKK	11:30:00 AM	65830						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURDKK	1:30:00 PM	65831						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURDKK	3:30:00 PM	65832						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP	9:30:00 AM	65833						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP	11:30:00 AM	65834						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP	1:30:00 PM	65835						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	EURGBP	3:30:00 PM	65836						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP.fx	9:30:00 AM	65837						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP.fx	11:30:00 AM	65838						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP.fx	1:30:00 PM	65839						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURGBP.fx	3:30:00 PM	65840						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD	9:30:00 AM	65841						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD	11:30:00 AM	65842						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD	1:30:00 PM	65843						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD	3:30:00 PM	65844						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD.fx	9:30:00 AM	65845						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD.fx	11:30:00 AM	65846						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD.fx	1:30:00 PM	65847						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHKD.fx	3:30:00 PM	65848						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF	9:30:00 AM	65849						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF	11:30:00 AM	65850						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF	1:30:00 PM	65851						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF	3:30:00 PM	65852						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF.fx	9:30:00 AM	65853						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF.fx	11:30:00 AM	65854						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF.fx	1:30:00 PM	65855						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURHUF.fx	3:30:00 PM	65856						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY	9:30:00 AM	65857						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY	11:30:00 AM	65858						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY	1:30:00 PM	65859						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY	3:30:00 PM	65860						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY.fx	9:30:00 AM	65861						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY.fx	11:30:00 AM	65862						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY.fx	1:30:00 PM	65863						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURJPY.fx	3:30:00 PM	65864						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN	9:30:00 AM	65865						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN	11:30:00 AM	65866						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN	1:30:00 PM	65867						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN	3:30:00 PM	65868						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN.fx	9:30:00 AM	65869						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	EURMXN.fx	11:30:00 AM	65870						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN.fx	1:30:00 PM	65871						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURMXN.fx	3:30:00 PM	65872						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK	9:30:00 AM	65873						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK	11:30:00 AM	65874						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK	1:30:00 PM	65875						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK	3:30:00 PM	65876						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK.fx	9:30:00 AM	65877						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK.fx	11:30:00 AM	65878						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK.fx	1:30:00 PM	65879						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNOK.fx	3:30:00 PM	65880						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD	9:30:00 AM	65881						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD	11:30:00 AM	65882						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD	1:30:00 PM	65883						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD	3:30:00 PM	65884						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD.fx	9:30:00 AM	65885						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD.fx	11:30:00 AM	65886						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD.fx	1:30:00 PM	65887						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURNZD.fx	3:30:00 PM	65888						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN	9:30:00 AM	65889						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN	11:30:00 AM	65890						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN	1:30:00 PM	65891						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN	3:30:00 PM	65892						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN.fx	9:30:00 AM	65893						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN.fx	11:30:00 AM	65894						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN.fx	1:30:00 PM	65895						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURPLN.fx	3:30:00 PM	65896						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURRUB	9:30:00 AM	65897						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURRUB	11:30:00 AM	65898						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURRUB	1:30:00 PM	65899						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURRUB	3:30:00 PM	65900						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK	9:30:00 AM	65901						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK	11:30:00 AM	65902						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK	1:30:00 PM	65903						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	EURSEK	3:30:00 PM	65904						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK.fx	9:30:00 AM	65905						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK.fx	11:30:00 AM	65906						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK.fx	1:30:00 PM	65907						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSEK.fx	3:30:00 PM	65908						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD	9:30:00 AM	65909						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD	11:30:00 AM	65910						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD	1:30:00 PM	65911						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD	3:30:00 PM	65912						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD.fx	9:30:00 AM	65913						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD.fx	11:30:00 AM	65914						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD.fx	1:30:00 PM	65915						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURSGD.fx	3:30:00 PM	65916						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD	9:30:00 AM	65917						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD	11:30:00 AM	65918						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD	1:30:00 PM	65919						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD	3:30:00 PM	65920						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD.fx	9:30:00 AM	65921						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD.fx	11:30:00 AM	65922						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD.fx	1:30:00 PM	65923						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURUSD.fx	3:30:00 PM	65924						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR	9:30:00 AM	65925						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR	11:30:00 AM	65926						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR	1:30:00 PM	65927						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR	3:30:00 PM	65928						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR.fx	9:30:00 AM	65929						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR.fx	11:30:00 AM	65930						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR.fx	1:30:00 PM	65931						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	EURZAR.fx	3:30:00 PM	65932						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD	9:30:00 AM	65933						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD	11:30:00 AM	65934						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD	1:30:00 PM	65935						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD	3:30:00 PM	65936						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD.fx	9:30:00 AM	65937						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	GBPAUD.fx	11:30:00 AM	65938						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD.fx	1:30:00 PM	65939						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPAUD.fx	3:30:00 PM	65940						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD	9:30:00 AM	65941						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD	11:30:00 AM	65942						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD	1:30:00 PM	65943						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD	3:30:00 PM	65944						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD.fx	9:30:00 AM	65945						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD.fx	11:30:00 AM	65946						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD.fx	1:30:00 PM	65947						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCAD.fx	3:30:00 PM	65948						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF	9:30:00 AM	65949						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF	11:30:00 AM	65950						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF	1:30:00 PM	65951						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF	3:30:00 PM	65952						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF.fx	9:30:00 AM	65953						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF.fx	11:30:00 AM	65954						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF.fx	1:30:00 PM	65955						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCHF.fx	3:30:00 PM	65956						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCZK	9:30:00 AM	65957						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCZK	11:30:00 AM	65958						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCZK	1:30:00 PM	65959						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPCZK	3:30:00 PM	65960						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK	9:30:00 AM	65961						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK	11:30:00 AM	65962						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK	1:30:00 PM	65963						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK	3:30:00 PM	65964						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK.fx	9:30:00 AM	65965						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK.fx	11:30:00 AM	65966						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK.fx	1:30:00 PM	65967						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPDKK.fx	3:30:00 PM	65968						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHKD	9:30:00 AM	65969						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHKD	11:30:00 AM	65970						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHKD	1:30:00 PM	65971						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	GBPHKD	3:30:00 PM	65972						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHUF	9:30:00 AM	65973						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHUF	11:30:00 AM	65974						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHUF	1:30:00 PM	65975						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPHUF	3:30:00 PM	65976						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY	9:30:00 AM	65977						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY	11:30:00 AM	65978						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY	1:30:00 PM	65979						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY	3:30:00 PM	65980						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY.fx	9:30:00 AM	65981						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY.fx	11:30:00 AM	65982						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY.fx	1:30:00 PM	65983						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPJPY.fx	3:30:00 PM	65984						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPMXN	9:30:00 AM	65985						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPMXN	11:30:00 AM	65986						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPMXN	1:30:00 PM	65987						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPMXN	3:30:00 PM	65988						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK	9:30:00 AM	65989						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK	11:30:00 AM	65990						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK	1:30:00 PM	65991						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK	3:30:00 PM	65992						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK.fx	9:30:00 AM	65993						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNOK.fx	11:30:00 AM	65994						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	GBPNOK.fx	3:30:00 PM	65996						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD	9:30:00 AM	65997						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD	11:30:00 AM	65998						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD	1:30:00 PM	65999						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD	3:30:00 PM	66000						Continuous Quote	N/A	ELECTRONIC	N/A
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11/25/2019	GBPNZD.fx	11:30:00 AM	66002						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD.fx	1:30:00 PM	66003						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPNZD.fx	3:30:00 PM	66004						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN	9:30:00 AM	66005						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	GBPPLN	11:30:00 AM	66006						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN	1:30:00 PM	66007						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN	3:30:00 PM	66008						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN.fx	9:30:00 AM	66009						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN.fx	11:30:00 AM	66010						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN.fx	1:30:00 PM	66011						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPPLN.fx	3:30:00 PM	66012						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK	9:30:00 AM	66013						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK	11:30:00 AM	66014						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK	1:30:00 PM	66015						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK	3:30:00 PM	66016						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK.fx	9:30:00 AM	66017						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK.fx	11:30:00 AM	66018						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK.fx	1:30:00 PM	66019						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSEK.fx	3:30:00 PM	66020						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD	9:30:00 AM	66021						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD	11:30:00 AM	66022						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD	1:30:00 PM	66023						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD	3:30:00 PM	66024						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD.fx	9:30:00 AM	66025						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD.fx	11:30:00 AM	66026						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD.fx	1:30:00 PM	66027						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPSGD.fx	3:30:00 PM	66028						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD	9:30:00 AM	66029						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD	11:30:00 AM	66030						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD	1:30:00 PM	66031						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD	3:30:00 PM	66032						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD.fx	9:30:00 AM	66033						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD.fx	11:30:00 AM	66034						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD.fx	1:30:00 PM	66035						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPUSD.fx	3:30:00 PM	66036						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR	9:30:00 AM	66037						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR	11:30:00 AM	66038						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR	1:30:00 PM	66039						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	GBPZAR	3:30:00 PM	66040						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR.fx	9:30:00 AM	66041						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR.fx	11:30:00 AM	66042						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR.fx	1:30:00 PM	66043						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GBPZAR.fx	3:30:00 PM	66044						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GOLD	9:30:00 AM	66045						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GOLD	11:30:00 AM	66046						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GOLD	1:30:00 PM	66047						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	GOLD	3:30:00 PM	66048						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY	9:30:00 AM	66049						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY	11:30:00 AM	66050						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY	1:30:00 PM	66051						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY	3:30:00 PM	66052						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY.fx	9:30:00 AM	66053						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY.fx	11:30:00 AM	66054						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY.fx	1:30:00 PM	66055						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HKDJPY.fx	3:30:00 PM	66056						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HUFJPY	9:30:00 AM	66057						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HUFJPY	11:30:00 AM	66058						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HUFJPY	1:30:00 PM	66059						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	HUFJPY	3:30:00 PM	66060						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	JP225.i	9:30:00 AM	66061						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	JP225.i	11:30:00 AM	66062						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	JP225.i	1:30:00 PM	66063						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	JP225.i	3:30:00 PM	66064						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	MXNJPY	9:30:00 AM	66065						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	MXNJPY	11:30:00 AM	66066						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	MXNJPY	1:30:00 PM	66067						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	MXNJPY	3:30:00 PM	66068						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NASDAQ.i	9:30:00 AM	66069						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NASDAQ.i	11:30:00 AM	66070						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NASDAQ.i	1:30:00 PM	66071						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NASDAQ.i	3:30:00 PM	66072						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY	9:30:00 AM	66073						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	NOKJPY	11:30:00 AM	66074						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY	1:30:00 PM	66075						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY	3:30:00 PM	66076						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY.fx	9:30:00 AM	66077						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY.fx	11:30:00 AM	66078						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY.fx	1:30:00 PM	66079						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NOKJPY.fx	3:30:00 PM	66080						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD	9:30:00 AM	66081						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD	11:30:00 AM	66082						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD	1:30:00 PM	66083						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD	3:30:00 PM	66084						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD.fx	9:30:00 AM	66085						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD.fx	11:30:00 AM	66086						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD.fx	1:30:00 PM	66087						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCAD.fx	3:30:00 PM	66088						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF	9:30:00 AM	66089						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF	11:30:00 AM	66090						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF	1:30:00 PM	66091						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF	3:30:00 PM	66092						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF.fx	9:30:00 AM	66093						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF.fx	11:30:00 AM	66094						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF.fx	1:30:00 PM	66095						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCHF.fx	3:30:00 PM	66096						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCZK	9:30:00 AM	66097						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCZK	11:30:00 AM	66098						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCZK	1:30:00 PM	66099						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDCZK	3:30:00 PM	66100						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDDKK	9:30:00 AM	66101						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDDKK	11:30:00 AM	66102						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDDKK	1:30:00 PM	66103						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDDKK	3:30:00 PM	66104						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHKD	9:30:00 AM	66105						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHKD	11:30:00 AM	66106						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHKD	1:30:00 PM	66107						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	NZDHKD	3:30:00 PM	66108						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHUF	9:30:00 AM	66109						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHUF	11:30:00 AM	66110						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHUF	1:30:00 PM	66111						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDHUF	3:30:00 PM	66112						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY	9:30:00 AM	66113						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY	11:30:00 AM	66114						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY	1:30:00 PM	66115						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY	3:30:00 PM	66116						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY.fx	9:30:00 AM	66117						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY.fx	11:30:00 AM	66118						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY.fx	1:30:00 PM	66119						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDJPY.fx	3:30:00 PM	66120						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDMXN	9:30:00 AM	66121						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDMXN	11:30:00 AM	66122						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDMXN	1:30:00 PM	66123						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDMXN	3:30:00 PM	66124						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDNOK	9:30:00 AM	66125						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDNOK	11:30:00 AM	66126						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDNOK	1:30:00 PM	66127						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDNOK	3:30:00 PM	66128						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDPLN	9:30:00 AM	66129						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDPLN	11:30:00 AM	66130						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDPLN	1:30:00 PM	66131						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDPLN	3:30:00 PM	66132						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSEK	9:30:00 AM	66133						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSEK	11:30:00 AM	66134						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSEK	1:30:00 PM	66135						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSEK	3:30:00 PM	66136						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD	9:30:00 AM	66137						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD	11:30:00 AM	66138						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD	1:30:00 PM	66139						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD	3:30:00 PM	66140						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD.fx	9:30:00 AM	66141						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	NZDSGD.fx	11:30:00 AM	66142						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD.fx	1:30:00 PM	66143						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDSGD.fx	3:30:00 PM	66144						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD	9:30:00 AM	66145						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD	11:30:00 AM	66146						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD	1:30:00 PM	66147						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD	3:30:00 PM	66148						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD.fx	9:30:00 AM	66149						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD.fx	11:30:00 AM	66150						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD.fx	1:30:00 PM	66151						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDUSD.fx	3:30:00 PM	66152						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDZAR	9:30:00 AM	66153						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDZAR	11:30:00 AM	66154						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDZAR	1:30:00 PM	66155						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	NZDZAR	3:30:00 PM	66156						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY	9:30:00 AM	66157						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY	11:30:00 AM	66158						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY	1:30:00 PM	66159						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY	3:30:00 PM	66160						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY.fx	9:30:00 AM	66161						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY.fx	11:30:00 AM	66162						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY.fx	1:30:00 PM	66163						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SEKJPY.fx	3:30:00 PM	66164						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SGDJPY	9:30:00 AM	66165						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SGDJPY	11:30:00 AM	66166						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SGDJPY	1:30:00 PM	66167						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SGDJPY	3:30:00 PM	66168						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SILVER	9:30:00 AM	66169						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SILVER	11:30:00 AM	66170						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SILVER	1:30:00 PM	66171						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SILVER	3:30:00 PM	66172						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SPX500.i	9:30:00 AM	66173						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SPX500.i	11:30:00 AM	66174						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	SPX500.i	1:30:00 PM	66175						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	SPX500.i	3:30:00 PM	66176						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	UK100.i	9:30:00 AM	66177						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	UK100.i	11:30:00 AM	66178						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	UK100.i	1:30:00 PM	66179						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	UK100.i	3:30:00 PM	66180						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD	9:30:00 AM	66181						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD	11:30:00 AM	66182						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD	1:30:00 PM	66183						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD	3:30:00 PM	66184						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD.fx	9:30:00 AM	66185						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD.fx	11:30:00 AM	66186						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD.fx	1:30:00 PM	66187						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCAD.fx	3:30:00 PM	66188						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF	9:30:00 AM	66189						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF	11:30:00 AM	66190						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF	1:30:00 PM	66191						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF	3:30:00 PM	66192						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF.fx	9:30:00 AM	66193						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF.fx	11:30:00 AM	66194						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF.fx	1:30:00 PM	66195						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCHF.fx	3:30:00 PM	66196						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK	9:30:00 AM	66197						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK	11:30:00 AM	66198						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK	1:30:00 PM	66199						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK	3:30:00 PM	66200						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK.fx	9:30:00 AM	66201						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK.fx	11:30:00 AM	66202						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK.fx	1:30:00 PM	66203						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDCZK.fx	3:30:00 PM	66204						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK	9:30:00 AM	66205						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK	11:30:00 AM	66206						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK	1:30:00 PM	66207						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK	3:30:00 PM	66208						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK.fx	9:30:00 AM	66209						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	USDDKK.fx	11:30:00 AM	66210						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK.fx	1:30:00 PM	66211						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDDKK.fx	3:30:00 PM	66212						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD	9:30:00 AM	66213						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD	11:30:00 AM	66214						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD	1:30:00 PM	66215						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD	3:30:00 PM	66216						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD.fx	9:30:00 AM	66217						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD.fx	11:30:00 AM	66218						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD.fx	1:30:00 PM	66219						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHKD.fx	3:30:00 PM	66220						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF	9:30:00 AM	66221						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF	11:30:00 AM	66222						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF	1:30:00 PM	66223						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF	3:30:00 PM	66224						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF.fx	9:30:00 AM	66225						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF.fx	11:30:00 AM	66226						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF.fx	1:30:00 PM	66227						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDHUF.fx	3:30:00 PM	66228						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDINR	9:30:00 AM	66229						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDINR	11:30:00 AM	66230						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDINR	1:30:00 PM	66231						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDINR	3:30:00 PM	66232						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY	9:30:00 AM	66233						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY	11:30:00 AM	66234						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY	1:30:00 PM	66235						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY	3:30:00 PM	66236						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY.fx	9:30:00 AM	66237						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY.fx	11:30:00 AM	66238						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY.fx	1:30:00 PM	66239						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDJPY.fx	3:30:00 PM	66240						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN	9:30:00 AM	66241						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN	11:30:00 AM	66242						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN	1:30:00 PM	66243						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	USDMXN	3:30:00 PM	66244						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN.fx	9:30:00 AM	66245						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN.fx	11:30:00 AM	66246						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN.fx	1:30:00 PM	66247						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDMXN.fx	3:30:00 PM	66248						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK	9:30:00 AM	66249						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK	11:30:00 AM	66250						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK	1:30:00 PM	66251						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK	3:30:00 PM	66252						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK.fx	9:30:00 AM	66253						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK.fx	11:30:00 AM	66254						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK.fx	1:30:00 PM	66255						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDNOK.fx	3:30:00 PM	66256						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN	9:30:00 AM	66257						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN	11:30:00 AM	66258						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN	1:30:00 PM	66259						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN	3:30:00 PM	66260						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN.fx	9:30:00 AM	66261						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN.fx	11:30:00 AM	66262						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN.fx	1:30:00 PM	66263						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDPLN.fx	3:30:00 PM	66264						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDRUB	9:30:00 AM	66265						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDRUB	11:30:00 AM	66266						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDRUB	1:30:00 PM	66267						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDRUB	3:30:00 PM	66268						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK	9:30:00 AM	66269						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK	11:30:00 AM	66270						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK	1:30:00 PM	66271						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK	3:30:00 PM	66272						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK.fx	9:30:00 AM	66273						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK.fx	11:30:00 AM	66274						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK.fx	1:30:00 PM	66275						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSEK.fx	3:30:00 PM	66276						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD	9:30:00 AM	66277						Continuous Quote	N/A	ELECTRONIC	N/A

11/25/2019	USDSGD	11:30:00 AM	66278						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD	1:30:00 PM	66279						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD	3:30:00 PM	66280						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD.fx	9:30:00 AM	66281						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD.fx	11:30:00 AM	66282						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD.fx	1:30:00 PM	66283						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDSGD.fx	3:30:00 PM	66284						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR	9:30:00 AM	66285						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR	11:30:00 AM	66286						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR	1:30:00 PM	66287						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR	3:30:00 PM	66288						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR.fx	9:30:00 AM	66289						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR.fx	11:30:00 AM	66290						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR.fx	1:30:00 PM	66291						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	USDZAR.fx	3:30:00 PM	66292						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	XAUUSD	9:30:00 AM	66293						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	XAUUSD	11:30:00 AM	66294						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	XAUUSD	1:30:00 PM	66295						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	XAUUSD	3:30:00 PM	66296						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY	9:30:00 AM	66297						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY	11:30:00 AM	66298						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY	1:30:00 PM	66299						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY	3:30:00 PM	66300						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY.fx	9:30:00 AM	66301						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY.fx	11:30:00 AM	66302						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY.fx	1:30:00 PM	66303						Continuous Quote	N/A	ELECTRONIC	N/A
11/25/2019	ZARJPY.fx	3:30:00 PM	66304						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AA	9:30:00 AM	66305						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AA	11:30:00 AM	66306						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AA	1:30:00 PM	66307						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AA	3:30:00 PM	66308						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AABA	9:30:00 AM	66309						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AABA	11:30:00 AM	66310						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AABA	1:30:00 PM	66311						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	#AABA	3:30:00 PM	66312						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#AAL	3:30:00 PM	66316						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#ADBE	9:30:00 AM	66321						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#ADBE	11:30:00 AM	66322						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#ADBE	3:30:00 PM	66324						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AIG	9:30:00 AM	66325						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AIG	11:30:00 AM	66326						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#AIG	3:30:00 PM	66328						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AMD	9:30:00 AM	66329						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AMD	11:30:00 AM	66330						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AMD	1:30:00 PM	66331						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AMD	3:30:00 PM	66332						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AMZN	9:30:00 AM	66333						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#AMZN	3:30:00 PM	66336						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AXP	9:30:00 AM	66337						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#AXP	11:30:00 AM	66338						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#AXP	3:30:00 PM	66340						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BA	9:30:00 AM	66341						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BA	11:30:00 AM	66342						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BA	1:30:00 PM	66343						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BA	3:30:00 PM	66344						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BABA	9:30:00 AM	66345						Continuous Quote	N/A	ELECTRONIC	N/A

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11/26/2019	#BABA	3:30:00 PM	66348						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BAC	9:30:00 AM	66349						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#BAC	1:30:00 PM	66351						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BAC	3:30:00 PM	66352						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BARC	9:30:00 AM	66353						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#BK	1:30:00 PM	66371						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#BK	3:30:00 PM	66372						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#C	9:30:00 AM	66385						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#CAT	9:30:00 AM	66389						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#CAT	3:30:00 PM	66392						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#CHL	9:30:00 AM	66393						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#CHL	3:30:00 PM	66396						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#CL.f	9:30:00 AM	66397						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#CMCSA	11:30:00 AM	66402						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	#CMCSA	3:30:00 PM	66404						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	#CSCO	9:30:00 AM	66405						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	AUDSGD.fx	11:30:00 AM	66826						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDSGD.fx	1:30:00 PM	66827						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDSGD.fx	3:30:00 PM	66828						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD	9:30:00 AM	66829						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD	11:30:00 AM	66830						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD	1:30:00 PM	66831						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD	3:30:00 PM	66832						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD.fx	9:30:00 AM	66833						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD.fx	11:30:00 AM	66834						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD.fx	1:30:00 PM	66835						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDUSD.fx	3:30:00 PM	66836						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDZAR	9:30:00 AM	66837						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDZAR	11:30:00 AM	66838						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDZAR	1:30:00 PM	66839						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUDZAR	3:30:00 PM	66840						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUS200.i	9:30:00 AM	66841						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUS200.i	11:30:00 AM	66842						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUS200.i	1:30:00 PM	66843						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	AUS200.i	3:30:00 PM	66844						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	BCHUSD	9:30:00 AM	66845						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	BCHUSD	11:30:00 AM	66846						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	BCHUSD	1:30:00 PM	66847						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	BCHUSD	3:30:00 PM	66848						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF	9:30:00 AM	66849						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF	11:30:00 AM	66850						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF	1:30:00 PM	66851						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF	3:30:00 PM	66852						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF.fx	9:30:00 AM	66853						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF.fx	11:30:00 AM	66854						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCHF.fx	1:30:00 PM	66855						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	CADCHF.fx	3:30:00 PM	66856						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCZK	9:30:00 AM	66857						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCZK	11:30:00 AM	66858						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCZK	1:30:00 PM	66859						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADCZK	3:30:00 PM	66860						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADDDK	9:30:00 AM	66861						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADDDK	11:30:00 AM	66862						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADDDK	1:30:00 PM	66863						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADDDK	3:30:00 PM	66864						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	CADHKD	11:30:00 AM	66866						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHKD	1:30:00 PM	66867						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHKD	3:30:00 PM	66868						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHUF	9:30:00 AM	66869						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHUF	11:30:00 AM	66870						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHUF	1:30:00 PM	66871						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADHUF	3:30:00 PM	66872						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY	9:30:00 AM	66873						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY	11:30:00 AM	66874						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY	1:30:00 PM	66875						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY	3:30:00 PM	66876						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY.fx	9:30:00 AM	66877						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY.fx	11:30:00 AM	66878						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY.fx	1:30:00 PM	66879						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADJPY.fx	3:30:00 PM	66880						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADMXN	9:30:00 AM	66881						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADMXN	11:30:00 AM	66882						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADMXN	1:30:00 PM	66883						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADMXN	3:30:00 PM	66884						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADNOK	9:30:00 AM	66885						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADNOK	11:30:00 AM	66886						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADNOK	1:30:00 PM	66887						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADNOK	3:30:00 PM	66888						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADPLN	9:30:00 AM	66889						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	CADPLN	11:30:00 AM	66890						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADPLN	1:30:00 PM	66891						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADPLN	3:30:00 PM	66892						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSEK	9:30:00 AM	66893						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSEK	11:30:00 AM	66894						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSEK	1:30:00 PM	66895						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSEK	3:30:00 PM	66896						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSGD	9:30:00 AM	66897						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSGD	11:30:00 AM	66898						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSGD	1:30:00 PM	66899						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADSGD	3:30:00 PM	66900						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADZAR	9:30:00 AM	66901						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADZAR	11:30:00 AM	66902						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADZAR	1:30:00 PM	66903						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CADZAR	3:30:00 PM	66904						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFCZK	9:30:00 AM	66905						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFCZK	11:30:00 AM	66906						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFCZK	1:30:00 PM	66907						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFCZK	3:30:00 PM	66908						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK	9:30:00 AM	66909						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK	11:30:00 AM	66910						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK	1:30:00 PM	66911						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK	3:30:00 PM	66912						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK.fx	9:30:00 AM	66913						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK.fx	11:30:00 AM	66914						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK.fx	1:30:00 PM	66915						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFDKK.fx	3:30:00 PM	66916						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHKD	9:30:00 AM	66917						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHKD	11:30:00 AM	66918						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHKD	1:30:00 PM	66919						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHKD	3:30:00 PM	66920						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHUF	9:30:00 AM	66921						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHUF	11:30:00 AM	66922						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFHUF	1:30:00 PM	66923						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	CHFHFUF	3:30:00 PM	66924						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY	9:30:00 AM	66925						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY	11:30:00 AM	66926						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY	1:30:00 PM	66927						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY	3:30:00 PM	66928						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY.fx	9:30:00 AM	66929						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY.fx	11:30:00 AM	66930						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY.fx	1:30:00 PM	66931						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFJPY.fx	3:30:00 PM	66932						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFMXN	9:30:00 AM	66933						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFMXN	11:30:00 AM	66934						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFMXN	1:30:00 PM	66935						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFMXN	3:30:00 PM	66936						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK	9:30:00 AM	66937						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK	11:30:00 AM	66938						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK	1:30:00 PM	66939						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK	3:30:00 PM	66940						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK.fx	9:30:00 AM	66941						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK.fx	11:30:00 AM	66942						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK.fx	1:30:00 PM	66943						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFNOK.fx	3:30:00 PM	66944						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN	9:30:00 AM	66945						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN	11:30:00 AM	66946						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN	1:30:00 PM	66947						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN	3:30:00 PM	66948						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN.fx	9:30:00 AM	66949						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN.fx	11:30:00 AM	66950						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN.fx	1:30:00 PM	66951						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFPLN.fx	3:30:00 PM	66952						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSEK	9:30:00 AM	66953						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSEK	11:30:00 AM	66954						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSEK	1:30:00 PM	66955						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSEK	3:30:00 PM	66956						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD	9:30:00 AM	66957						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	CHFSGD	11:30:00 AM	66958						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD	1:30:00 PM	66959						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD	3:30:00 PM	66960						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD.fx	9:30:00 AM	66961						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD.fx	11:30:00 AM	66962						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD.fx	1:30:00 PM	66963						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFSGD.fx	3:30:00 PM	66964						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFZAR	9:30:00 AM	66965						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFZAR	11:30:00 AM	66966						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFZAR	1:30:00 PM	66967						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CHFZAR	3:30:00 PM	66968						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CZKJPY	9:30:00 AM	66969						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CZKJPY	11:30:00 AM	66970						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CZKJPY	1:30:00 PM	66971						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	CZKJPY	3:30:00 PM	66972						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DAX30.i	9:30:00 AM	66973						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DAX30.i	11:30:00 AM	66974						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DAX30.i	1:30:00 PM	66975						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DAX30.i	3:30:00 PM	66976						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DJ30.i	9:30:00 AM	66977						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DJ30.i	11:30:00 AM	66978						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DJ30.i	1:30:00 PM	66979						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DJ30.i	3:30:00 PM	66980						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DKKJPY	9:30:00 AM	66981						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DKKJPY	11:30:00 AM	66982						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DKKJPY	1:30:00 PM	66983						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	DKKJPY	3:30:00 PM	66984						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD	9:30:00 AM	66985						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD	11:30:00 AM	66986						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD	1:30:00 PM	66987						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD	3:30:00 PM	66988						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD.fx	9:30:00 AM	66989						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD.fx	11:30:00 AM	66990						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURAUD.fx	1:30:00 PM	66991						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	EURAUD.fx	3:30:00 PM	66992						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCAD	9:30:00 AM	66993						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCAD	11:30:00 AM	66994						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCAD	1:30:00 PM	66995						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCAD	3:30:00 PM	66996						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	EURCHF	9:30:00 AM	67001						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF	11:30:00 AM	67002						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF	1:30:00 PM	67003						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF	3:30:00 PM	67004						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF.fx	9:30:00 AM	67005						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF.fx	11:30:00 AM	67006						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF.fx	1:30:00 PM	67007						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCHF.fx	3:30:00 PM	67008						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCZK	9:30:00 AM	67009						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCZK	11:30:00 AM	67010						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCZK	1:30:00 PM	67011						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURCZK	3:30:00 PM	67012						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURDKK	9:30:00 AM	67013						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURDKK	11:30:00 AM	67014						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURDKK	1:30:00 PM	67015						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURDKK	3:30:00 PM	67016						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP	9:30:00 AM	67017						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP	11:30:00 AM	67018						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP	1:30:00 PM	67019						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP	3:30:00 PM	67020						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP.fx	9:30:00 AM	67021						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP.fx	11:30:00 AM	67022						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP.fx	1:30:00 PM	67023						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURGBP.fx	3:30:00 PM	67024						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD	9:30:00 AM	67025						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	EURHKD	11:30:00 AM	67026						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD	1:30:00 PM	67027						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD	3:30:00 PM	67028						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD.fx	9:30:00 AM	67029						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD.fx	11:30:00 AM	67030						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD.fx	1:30:00 PM	67031						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHKD.fx	3:30:00 PM	67032						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF	9:30:00 AM	67033						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF	11:30:00 AM	67034						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF	1:30:00 PM	67035						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF	3:30:00 PM	67036						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF.fx	9:30:00 AM	67037						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF.fx	11:30:00 AM	67038						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF.fx	1:30:00 PM	67039						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURHUF.fx	3:30:00 PM	67040						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY	9:30:00 AM	67041						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY	11:30:00 AM	67042						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY	1:30:00 PM	67043						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY	3:30:00 PM	67044						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY.fx	9:30:00 AM	67045						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY.fx	11:30:00 AM	67046						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY.fx	1:30:00 PM	67047						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURJPY.fx	3:30:00 PM	67048						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN	9:30:00 AM	67049						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN	11:30:00 AM	67050						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN	1:30:00 PM	67051						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN	3:30:00 PM	67052						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN.fx	9:30:00 AM	67053						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN.fx	11:30:00 AM	67054						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN.fx	1:30:00 PM	67055						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURMXN.fx	3:30:00 PM	67056						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK	9:30:00 AM	67057						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK	11:30:00 AM	67058						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK	1:30:00 PM	67059						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	EURNOK	3:30:00 PM	67060						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK.fx	9:30:00 AM	67061						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK.fx	11:30:00 AM	67062						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK.fx	1:30:00 PM	67063						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNOK.fx	3:30:00 PM	67064						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD	9:30:00 AM	67065						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD	11:30:00 AM	67066						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD	1:30:00 PM	67067						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD	3:30:00 PM	67068						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD.fx	9:30:00 AM	67069						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD.fx	11:30:00 AM	67070						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD.fx	1:30:00 PM	67071						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURNZD.fx	3:30:00 PM	67072						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN	9:30:00 AM	67073						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN	11:30:00 AM	67074						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN	1:30:00 PM	67075						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN	3:30:00 PM	67076						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN.fx	9:30:00 AM	67077						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN.fx	11:30:00 AM	67078						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN.fx	1:30:00 PM	67079						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURPLN.fx	3:30:00 PM	67080						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURRUB	9:30:00 AM	67081						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURRUB	11:30:00 AM	67082						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURRUB	1:30:00 PM	67083						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURRUB	3:30:00 PM	67084						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK	9:30:00 AM	67085						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK	11:30:00 AM	67086						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK	1:30:00 PM	67087						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK	3:30:00 PM	67088						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK.fx	9:30:00 AM	67089						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK.fx	11:30:00 AM	67090						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK.fx	1:30:00 PM	67091						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSEK.fx	3:30:00 PM	67092						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD	9:30:00 AM	67093						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	EURSGD	11:30:00 AM	67094						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD	1:30:00 PM	67095						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD	3:30:00 PM	67096						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD.fx	9:30:00 AM	67097						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD.fx	11:30:00 AM	67098						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD.fx	1:30:00 PM	67099						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURSGD.fx	3:30:00 PM	67100						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD	9:30:00 AM	67101						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD	11:30:00 AM	67102						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD	1:30:00 PM	67103						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD	3:30:00 PM	67104						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD.fx	9:30:00 AM	67105						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD.fx	11:30:00 AM	67106						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD.fx	1:30:00 PM	67107						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURUSD.fx	3:30:00 PM	67108						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR	9:30:00 AM	67109						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR	11:30:00 AM	67110						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR	1:30:00 PM	67111						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR	3:30:00 PM	67112						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR.fx	9:30:00 AM	67113						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR.fx	11:30:00 AM	67114						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR.fx	1:30:00 PM	67115						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	EURZAR.fx	3:30:00 PM	67116						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD	9:30:00 AM	67117						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD	11:30:00 AM	67118						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD	1:30:00 PM	67119						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD	3:30:00 PM	67120						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD.fx	9:30:00 AM	67121						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD.fx	11:30:00 AM	67122						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD.fx	1:30:00 PM	67123						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPAUD.fx	3:30:00 PM	67124						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD	9:30:00 AM	67125						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD	11:30:00 AM	67126						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD	1:30:00 PM	67127						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	GBPCAD	3:30:00 PM	67128						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD.fx	9:30:00 AM	67129						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD.fx	11:30:00 AM	67130						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD.fx	1:30:00 PM	67131						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCAD.fx	3:30:00 PM	67132						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF	9:30:00 AM	67133						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF	11:30:00 AM	67134						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF	1:30:00 PM	67135						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF	3:30:00 PM	67136						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF.fx	9:30:00 AM	67137						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF.fx	11:30:00 AM	67138						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF.fx	1:30:00 PM	67139						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCHF.fx	3:30:00 PM	67140						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCZK	9:30:00 AM	67141						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCZK	11:30:00 AM	67142						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCZK	1:30:00 PM	67143						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPCZK	3:30:00 PM	67144						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK	9:30:00 AM	67145						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK	11:30:00 AM	67146						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK	1:30:00 PM	67147						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK	3:30:00 PM	67148						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK.fx	9:30:00 AM	67149						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK.fx	11:30:00 AM	67150						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK.fx	1:30:00 PM	67151						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPDKK.fx	3:30:00 PM	67152						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHKD	9:30:00 AM	67153						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHKD	11:30:00 AM	67154						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHKD	1:30:00 PM	67155						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHKD	3:30:00 PM	67156						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHUF	9:30:00 AM	67157						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHUF	11:30:00 AM	67158						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHUF	1:30:00 PM	67159						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPHUF	3:30:00 PM	67160						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY	9:30:00 AM	67161						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	GBPJPY	11:30:00 AM	67162						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY	1:30:00 PM	67163						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY	3:30:00 PM	67164						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY.fx	9:30:00 AM	67165						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY.fx	11:30:00 AM	67166						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY.fx	1:30:00 PM	67167						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPJPY.fx	3:30:00 PM	67168						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPMXN	9:30:00 AM	67169						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPMXN	11:30:00 AM	67170						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPMXN	1:30:00 PM	67171						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPMXN	3:30:00 PM	67172						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK	9:30:00 AM	67173						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK	11:30:00 AM	67174						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK	1:30:00 PM	67175						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK	3:30:00 PM	67176						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK.fx	9:30:00 AM	67177						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK.fx	11:30:00 AM	67178						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK.fx	1:30:00 PM	67179						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNOK.fx	3:30:00 PM	67180						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD	9:30:00 AM	67181						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD	11:30:00 AM	67182						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD	1:30:00 PM	67183						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD	3:30:00 PM	67184						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD.fx	9:30:00 AM	67185						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD.fx	11:30:00 AM	67186						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD.fx	1:30:00 PM	67187						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPNZD.fx	3:30:00 PM	67188						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN	9:30:00 AM	67189						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN	11:30:00 AM	67190						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN	1:30:00 PM	67191						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN	3:30:00 PM	67192						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN.fx	9:30:00 AM	67193						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN.fx	11:30:00 AM	67194						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPPLN.fx	1:30:00 PM	67195						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	GBPPLN.fx	3:30:00 PM	67196						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK	9:30:00 AM	67197						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK	11:30:00 AM	67198						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK	1:30:00 PM	67199						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK	3:30:00 PM	67200						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK.fx	9:30:00 AM	67201						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK.fx	11:30:00 AM	67202						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK.fx	1:30:00 PM	67203						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSEK.fx	3:30:00 PM	67204						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD	9:30:00 AM	67205						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD	11:30:00 AM	67206						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD	1:30:00 PM	67207						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD	3:30:00 PM	67208						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD.fx	9:30:00 AM	67209						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD.fx	11:30:00 AM	67210						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD.fx	1:30:00 PM	67211						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPSGD.fx	3:30:00 PM	67212						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD	9:30:00 AM	67213						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD	11:30:00 AM	67214						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD	1:30:00 PM	67215						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD	3:30:00 PM	67216						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD.fx	9:30:00 AM	67217						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD.fx	11:30:00 AM	67218						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD.fx	1:30:00 PM	67219						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPUSD.fx	3:30:00 PM	67220						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR	9:30:00 AM	67221						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR	11:30:00 AM	67222						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR	1:30:00 PM	67223						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR	3:30:00 PM	67224						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR.fx	9:30:00 AM	67225						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR.fx	11:30:00 AM	67226						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR.fx	1:30:00 PM	67227						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GBPZAR.fx	3:30:00 PM	67228						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GOLD	9:30:00 AM	67229						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	GOLD	11:30:00 AM	67230						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GOLD	1:30:00 PM	67231						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	GOLD	3:30:00 PM	67232						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY	9:30:00 AM	67233						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY	11:30:00 AM	67234						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY	1:30:00 PM	67235						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY	3:30:00 PM	67236						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY.fx	9:30:00 AM	67237						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY.fx	11:30:00 AM	67238						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY.fx	1:30:00 PM	67239						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HKDJPY.fx	3:30:00 PM	67240						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HUFJPY	9:30:00 AM	67241						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HUFJPY	11:30:00 AM	67242						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HUFJPY	1:30:00 PM	67243						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	HUFJPY	3:30:00 PM	67244						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	JP225.i	9:30:00 AM	67245						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	JP225.i	11:30:00 AM	67246						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	JP225.i	1:30:00 PM	67247						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	JP225.i	3:30:00 PM	67248						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	MXNJPY	9:30:00 AM	67249						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	MXNJPY	11:30:00 AM	67250						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	MXNJPY	1:30:00 PM	67251						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	MXNJPY	3:30:00 PM	67252						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NASDAQ.i	9:30:00 AM	67253						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NASDAQ.i	11:30:00 AM	67254						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NASDAQ.i	1:30:00 PM	67255						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NASDAQ.i	3:30:00 PM	67256						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY	9:30:00 AM	67257						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY	11:30:00 AM	67258						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY	1:30:00 PM	67259						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY	3:30:00 PM	67260						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY.fx	9:30:00 AM	67261						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY.fx	11:30:00 AM	67262						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NOKJPY.fx	1:30:00 PM	67263						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	NOKJPY.fx	3:30:00 PM	67264						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD	9:30:00 AM	67265						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD	11:30:00 AM	67266						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD	1:30:00 PM	67267						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD	3:30:00 PM	67268						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD.fx	9:30:00 AM	67269						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD.fx	11:30:00 AM	67270						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD.fx	1:30:00 PM	67271						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCAD.fx	3:30:00 PM	67272						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF	9:30:00 AM	67273						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF	11:30:00 AM	67274						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF	1:30:00 PM	67275						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF	3:30:00 PM	67276						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF.fx	9:30:00 AM	67277						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF.fx	11:30:00 AM	67278						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF.fx	1:30:00 PM	67279						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCHF.fx	3:30:00 PM	67280						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCZK	9:30:00 AM	67281						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCZK	11:30:00 AM	67282						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCZK	1:30:00 PM	67283						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDCZK	3:30:00 PM	67284						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDDKK	9:30:00 AM	67285						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDDKK	11:30:00 AM	67286						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDDKK	1:30:00 PM	67287						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDDKK	3:30:00 PM	67288						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHKD	9:30:00 AM	67289						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHKD	11:30:00 AM	67290						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHKD	1:30:00 PM	67291						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHKD	3:30:00 PM	67292						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHUF	9:30:00 AM	67293						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHUF	11:30:00 AM	67294						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHUF	1:30:00 PM	67295						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDHUF	3:30:00 PM	67296						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY	9:30:00 AM	67297						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	NZDJPY	11:30:00 AM	67298						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY	1:30:00 PM	67299						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY	3:30:00 PM	67300						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY.fx	9:30:00 AM	67301						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY.fx	11:30:00 AM	67302						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY.fx	1:30:00 PM	67303						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDJPY.fx	3:30:00 PM	67304						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDMXN	9:30:00 AM	67305						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDMXN	11:30:00 AM	67306						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDMXN	1:30:00 PM	67307						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDMXN	3:30:00 PM	67308						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDNOK	9:30:00 AM	67309						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDNOK	11:30:00 AM	67310						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDNOK	1:30:00 PM	67311						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDNOK	3:30:00 PM	67312						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDPLN	9:30:00 AM	67313						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDPLN	11:30:00 AM	67314						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDPLN	1:30:00 PM	67315						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDPLN	3:30:00 PM	67316						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSEK	9:30:00 AM	67317						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSEK	11:30:00 AM	67318						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSEK	1:30:00 PM	67319						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSEK	3:30:00 PM	67320						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD	9:30:00 AM	67321						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD	11:30:00 AM	67322						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD	1:30:00 PM	67323						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD	3:30:00 PM	67324						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD.fx	9:30:00 AM	67325						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD.fx	11:30:00 AM	67326						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD.fx	1:30:00 PM	67327						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDSGD.fx	3:30:00 PM	67328						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD	9:30:00 AM	67329						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD	11:30:00 AM	67330						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD	1:30:00 PM	67331						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	NZDUSD	3:30:00 PM	67332						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD.fx	9:30:00 AM	67333						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD.fx	11:30:00 AM	67334						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD.fx	1:30:00 PM	67335						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDUSD.fx	3:30:00 PM	67336						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDZAR	9:30:00 AM	67337						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDZAR	11:30:00 AM	67338						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDZAR	1:30:00 PM	67339						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	NZDZAR	3:30:00 PM	67340						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY	9:30:00 AM	67341						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY	11:30:00 AM	67342						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY	1:30:00 PM	67343						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY	3:30:00 PM	67344						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY.fx	9:30:00 AM	67345						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY.fx	11:30:00 AM	67346						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY.fx	1:30:00 PM	67347						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SEKJPY.fx	3:30:00 PM	67348						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SGDJPY	9:30:00 AM	67349						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SGDJPY	11:30:00 AM	67350						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SGDJPY	1:30:00 PM	67351						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SGDJPY	3:30:00 PM	67352						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SILVER	9:30:00 AM	67353						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SILVER	11:30:00 AM	67354						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SILVER	1:30:00 PM	67355						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SILVER	3:30:00 PM	67356						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SPX500.i	9:30:00 AM	67357						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SPX500.i	11:30:00 AM	67358						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SPX500.i	1:30:00 PM	67359						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	SPX500.i	3:30:00 PM	67360						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	UK100.i	9:30:00 AM	67361						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	UK100.i	11:30:00 AM	67362						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	UK100.i	1:30:00 PM	67363						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	UK100.i	3:30:00 PM	67364						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD	9:30:00 AM	67365						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	USDCAD	11:30:00 AM	67366						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD	1:30:00 PM	67367						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD	3:30:00 PM	67368						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD.fx	9:30:00 AM	67369						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD.fx	11:30:00 AM	67370						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD.fx	1:30:00 PM	67371						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCAD.fx	3:30:00 PM	67372						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF	9:30:00 AM	67373						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF	11:30:00 AM	67374						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF	1:30:00 PM	67375						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF	3:30:00 PM	67376						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF.fx	9:30:00 AM	67377						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF.fx	11:30:00 AM	67378						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF.fx	1:30:00 PM	67379						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCHEF.fx	3:30:00 PM	67380						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK	9:30:00 AM	67381						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK	11:30:00 AM	67382						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK	1:30:00 PM	67383						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK	3:30:00 PM	67384						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK.fx	9:30:00 AM	67385						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK.fx	11:30:00 AM	67386						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK.fx	1:30:00 PM	67387						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDCZK.fx	3:30:00 PM	67388						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK	9:30:00 AM	67389						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK	11:30:00 AM	67390						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK	1:30:00 PM	67391						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK	3:30:00 PM	67392						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK.fx	9:30:00 AM	67393						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK.fx	11:30:00 AM	67394						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK.fx	1:30:00 PM	67395						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDDKK.fx	3:30:00 PM	67396						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD	9:30:00 AM	67397						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD	11:30:00 AM	67398						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD	1:30:00 PM	67399						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	USDHKD	3:30:00 PM	67400						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD.fx	9:30:00 AM	67401						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD.fx	11:30:00 AM	67402						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD.fx	1:30:00 PM	67403						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHKD.fx	3:30:00 PM	67404						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF	9:30:00 AM	67405						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF	11:30:00 AM	67406						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF	1:30:00 PM	67407						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF	3:30:00 PM	67408						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF.fx	9:30:00 AM	67409						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF.fx	11:30:00 AM	67410						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF.fx	1:30:00 PM	67411						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDHUF.fx	3:30:00 PM	67412						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDINR	9:30:00 AM	67413						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDINR	11:30:00 AM	67414						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDINR	1:30:00 PM	67415						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDINR	3:30:00 PM	67416						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY	9:30:00 AM	67417						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY	11:30:00 AM	67418						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY	1:30:00 PM	67419						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY	3:30:00 PM	67420						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY.fx	9:30:00 AM	67421						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY.fx	11:30:00 AM	67422						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY.fx	1:30:00 PM	67423						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDJPY.fx	3:30:00 PM	67424						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDMXN	9:30:00 AM	67425						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDMXN	11:30:00 AM	67426						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDMXN	1:30:00 PM	67427						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDMXN	3:30:00 PM	67428						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	JSDMXN.fx	11:30:00 AM	67430						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	JSDMXN.fx	1:30:00 PM	67431						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	USDNOK.fx	11:30:00 AM	67438						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	USDPLN	11:30:00 AM	67442						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	USDSGD	9:30:00 AM	67461						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD	11:30:00 AM	67462						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD	1:30:00 PM	67463						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD	3:30:00 PM	67464						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD.fx	9:30:00 AM	67465						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD.fx	11:30:00 AM	67466						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDSGD.fx	1:30:00 PM	67467						Continuous Quote	N/A	ELECTRONIC	N/A

11/26/2019	USDSGD.fx	3:30:00 PM	67468						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	USDZAR	11:30:00 AM	67470						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDZAR	1:30:00 PM	67471						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDZAR	3:30:00 PM	67472						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDZAR.fx	9:30:00 AM	67473						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	USDZAR.fx	11:30:00 AM	67474						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	USDZAR.fx	3:30:00 PM	67476						Continuous Quote	N/A	ELECTRONIC	N/A
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11/26/2019	XAUUSD	1:30:00 PM	67479						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	XAUUSD	3:30:00 PM	67480						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY	9:30:00 AM	67481						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY	11:30:00 AM	67482						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY	1:30:00 PM	67483						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY	3:30:00 PM	67484						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY.fx	9:30:00 AM	67485						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY.fx	11:30:00 AM	67486						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY.fx	1:30:00 PM	67487						Continuous Quote	N/A	ELECTRONIC	N/A
11/26/2019	ZARJPY.fx	3:30:00 PM	67488						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#AAL	9:30:00 AM	67497						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#AAL	3:30:00 PM	67500						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#ADBE	1:30:00 PM	67507						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	#ADBE	3:30:00 PM	67508						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	#AIG	9:30:00 AM	67509						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#AMZN	3:30:00 PM	67520						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#BAC	9:30:00 AM	67533						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	#BAC	11:30:00 AM	67534						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#BARC	3:30:00 PM	67540						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	#BHP	3:30:00 PM	67544						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	AUDSGD.fx	1:30:00 PM	68011						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	AUDSGD.fx	3:30:00 PM	68012						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD	9:30:00 AM	68013						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD	11:30:00 AM	68014						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD	1:30:00 PM	68015						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD	3:30:00 PM	68016						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD.fx	9:30:00 AM	68017						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD.fx	11:30:00 AM	68018						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD.fx	1:30:00 PM	68019						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDUSD.fx	3:30:00 PM	68020						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDZAR	9:30:00 AM	68021						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDZAR	11:30:00 AM	68022						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDZAR	1:30:00 PM	68023						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUDZAR	3:30:00 PM	68024						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUS200.i	9:30:00 AM	68025						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUS200.i	11:30:00 AM	68026						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUS200.i	1:30:00 PM	68027						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	AUS200.i	3:30:00 PM	68028						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	BCHUSD	9:30:00 AM	68029						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	BCHUSD	11:30:00 AM	68030						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	BCHUSD	1:30:00 PM	68031						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	BCHUSD	3:30:00 PM	68032						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF	9:30:00 AM	68033						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF	11:30:00 AM	68034						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF	1:30:00 PM	68035						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF	3:30:00 PM	68036						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF.fx	9:30:00 AM	68037						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF.fx	11:30:00 AM	68038						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF.fx	1:30:00 PM	68039						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCHF.fx	3:30:00 PM	68040						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCZK	9:30:00 AM	68041						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCZK	11:30:00 AM	68042						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCZK	1:30:00 PM	68043						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADCZK	3:30:00 PM	68044						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADKK	9:30:00 AM	68045						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	CADDDK	11:30:00 AM	68046						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADDDK	1:30:00 PM	68047						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADDDK	3:30:00 PM	68048						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHKD	9:30:00 AM	68049						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHKD	11:30:00 AM	68050						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHKD	1:30:00 PM	68051						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHKD	3:30:00 PM	68052						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHUF	9:30:00 AM	68053						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHUF	11:30:00 AM	68054						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHUF	1:30:00 PM	68055						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADHUF	3:30:00 PM	68056						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY	9:30:00 AM	68057						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY	11:30:00 AM	68058						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY	1:30:00 PM	68059						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY	3:30:00 PM	68060						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY.fx	9:30:00 AM	68061						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY.fx	11:30:00 AM	68062						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY.fx	1:30:00 PM	68063						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADJPY.fx	3:30:00 PM	68064						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADMXN	9:30:00 AM	68065						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADMXN	11:30:00 AM	68066						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADMXN	1:30:00 PM	68067						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADMXN	3:30:00 PM	68068						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADNOK	9:30:00 AM	68069						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADNOK	11:30:00 AM	68070						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADNOK	1:30:00 PM	68071						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADNOK	3:30:00 PM	68072						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADPLN	9:30:00 AM	68073						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADPLN	11:30:00 AM	68074						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADPLN	1:30:00 PM	68075						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADPLN	3:30:00 PM	68076						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSEK	9:30:00 AM	68077						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSEK	11:30:00 AM	68078						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSEK	1:30:00 PM	68079						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	CADSEK	3:30:00 PM	68080						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSGD	9:30:00 AM	68081						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSGD	11:30:00 AM	68082						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSGD	1:30:00 PM	68083						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADSGD	3:30:00 PM	68084						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADZAR	9:30:00 AM	68085						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADZAR	11:30:00 AM	68086						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADZAR	1:30:00 PM	68087						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CADZAR	3:30:00 PM	68088						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFCZK	9:30:00 AM	68089						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFCZK	11:30:00 AM	68090						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFCZK	1:30:00 PM	68091						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFCZK	3:30:00 PM	68092						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK	9:30:00 AM	68093						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK	11:30:00 AM	68094						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK	1:30:00 PM	68095						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK	3:30:00 PM	68096						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK.fx	9:30:00 AM	68097						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK.fx	11:30:00 AM	68098						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK.fx	1:30:00 PM	68099						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFDKK.fx	3:30:00 PM	68100						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHKD	9:30:00 AM	68101						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHKD	11:30:00 AM	68102						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHKD	1:30:00 PM	68103						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHKD	3:30:00 PM	68104						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHUF	9:30:00 AM	68105						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHUF	11:30:00 AM	68106						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHUF	1:30:00 PM	68107						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFHUF	3:30:00 PM	68108						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY	9:30:00 AM	68109						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY	11:30:00 AM	68110						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY	1:30:00 PM	68111						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY	3:30:00 PM	68112						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY.fx	9:30:00 AM	68113						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	CHFJPY.fx	11:30:00 AM	68114						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY.fx	1:30:00 PM	68115						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFJPY.fx	3:30:00 PM	68116						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFMXN	9:30:00 AM	68117						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFMXN	11:30:00 AM	68118						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFMXN	1:30:00 PM	68119						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFMXN	3:30:00 PM	68120						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK	9:30:00 AM	68121						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK	11:30:00 AM	68122						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK	1:30:00 PM	68123						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK	3:30:00 PM	68124						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK.fx	9:30:00 AM	68125						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK.fx	11:30:00 AM	68126						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK.fx	1:30:00 PM	68127						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFNOK.fx	3:30:00 PM	68128						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN	9:30:00 AM	68129						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN	11:30:00 AM	68130						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN	1:30:00 PM	68131						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN	3:30:00 PM	68132						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN.fx	9:30:00 AM	68133						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN.fx	11:30:00 AM	68134						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN.fx	1:30:00 PM	68135						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFPLN.fx	3:30:00 PM	68136						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSEK	9:30:00 AM	68137						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSEK	11:30:00 AM	68138						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSEK	1:30:00 PM	68139						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSEK	3:30:00 PM	68140						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD	9:30:00 AM	68141						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD	11:30:00 AM	68142						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD	1:30:00 PM	68143						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD	3:30:00 PM	68144						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD.fx	9:30:00 AM	68145						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD.fx	11:30:00 AM	68146						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFSGD.fx	1:30:00 PM	68147						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	CHFSGD.fx	3:30:00 PM	68148						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFZAR	9:30:00 AM	68149						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFZAR	11:30:00 AM	68150						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFZAR	1:30:00 PM	68151						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CHFZAR	3:30:00 PM	68152						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CZKJPY	9:30:00 AM	68153						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CZKJPY	11:30:00 AM	68154						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CZKJPY	1:30:00 PM	68155						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	CZKJPY	3:30:00 PM	68156						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DAX30.i	9:30:00 AM	68157						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DAX30.i	11:30:00 AM	68158						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DAX30.i	1:30:00 PM	68159						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DAX30.i	3:30:00 PM	68160						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DJ30.i	9:30:00 AM	68161						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DJ30.i	11:30:00 AM	68162						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DJ30.i	1:30:00 PM	68163						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DJ30.i	3:30:00 PM	68164						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DKKJPY	9:30:00 AM	68165						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DKKJPY	11:30:00 AM	68166						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DKKJPY	1:30:00 PM	68167						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	DKKJPY	3:30:00 PM	68168						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD	9:30:00 AM	68169						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD	11:30:00 AM	68170						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD	1:30:00 PM	68171						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD	3:30:00 PM	68172						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD.fx	9:30:00 AM	68173						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD.fx	11:30:00 AM	68174						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD.fx	1:30:00 PM	68175						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURAUD.fx	3:30:00 PM	68176						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD	9:30:00 AM	68177						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD	11:30:00 AM	68178						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD	1:30:00 PM	68179						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD	3:30:00 PM	68180						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD.fx	9:30:00 AM	68181						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	EURCAD.fx	11:30:00 AM	68182						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD.fx	1:30:00 PM	68183						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCAD.fx	3:30:00 PM	68184						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF	9:30:00 AM	68185						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF	11:30:00 AM	68186						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF	1:30:00 PM	68187						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF	3:30:00 PM	68188						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF.fx	9:30:00 AM	68189						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF.fx	11:30:00 AM	68190						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF.fx	1:30:00 PM	68191						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCHF.fx	3:30:00 PM	68192						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCZK	9:30:00 AM	68193						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCZK	11:30:00 AM	68194						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCZK	1:30:00 PM	68195						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURCZK	3:30:00 PM	68196						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURDKK	9:30:00 AM	68197						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURDKK	11:30:00 AM	68198						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURDKK	1:30:00 PM	68199						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURDKK	3:30:00 PM	68200						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP	9:30:00 AM	68201						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP	11:30:00 AM	68202						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP	1:30:00 PM	68203						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP	3:30:00 PM	68204						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP.fx	9:30:00 AM	68205						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP.fx	11:30:00 AM	68206						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP.fx	1:30:00 PM	68207						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURGBP.fx	3:30:00 PM	68208						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD	9:30:00 AM	68209						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD	11:30:00 AM	68210						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD	1:30:00 PM	68211						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD	3:30:00 PM	68212						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD.fx	9:30:00 AM	68213						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD.fx	11:30:00 AM	68214						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHKD.fx	1:30:00 PM	68215						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	EURHKD.fx	3:30:00 PM	68216						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF	9:30:00 AM	68217						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF	11:30:00 AM	68218						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF	1:30:00 PM	68219						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF	3:30:00 PM	68220						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF.fx	9:30:00 AM	68221						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF.fx	11:30:00 AM	68222						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF.fx	1:30:00 PM	68223						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURHUF.fx	3:30:00 PM	68224						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY	9:30:00 AM	68225						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY	11:30:00 AM	68226						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY	1:30:00 PM	68227						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY	3:30:00 PM	68228						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY.fx	9:30:00 AM	68229						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY.fx	11:30:00 AM	68230						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY.fx	1:30:00 PM	68231						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURJPY.fx	3:30:00 PM	68232						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN	9:30:00 AM	68233						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN	11:30:00 AM	68234						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN	1:30:00 PM	68235						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN	3:30:00 PM	68236						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN.fx	9:30:00 AM	68237						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN.fx	11:30:00 AM	68238						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN.fx	1:30:00 PM	68239						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURMXN.fx	3:30:00 PM	68240						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK	9:30:00 AM	68241						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK	11:30:00 AM	68242						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK	1:30:00 PM	68243						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK	3:30:00 PM	68244						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK.fx	9:30:00 AM	68245						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK.fx	11:30:00 AM	68246						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK.fx	1:30:00 PM	68247						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNOK.fx	3:30:00 PM	68248						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD	9:30:00 AM	68249						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	EURNZD	11:30:00 AM	68250						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD	1:30:00 PM	68251						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD	3:30:00 PM	68252						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD.fx	9:30:00 AM	68253						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD.fx	11:30:00 AM	68254						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD.fx	1:30:00 PM	68255						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURNZD.fx	3:30:00 PM	68256						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN	9:30:00 AM	68257						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN	11:30:00 AM	68258						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN	1:30:00 PM	68259						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN	3:30:00 PM	68260						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN.fx	9:30:00 AM	68261						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN.fx	11:30:00 AM	68262						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN.fx	1:30:00 PM	68263						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURPLN.fx	3:30:00 PM	68264						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURRUB	9:30:00 AM	68265						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURRUB	11:30:00 AM	68266						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURRUB	1:30:00 PM	68267						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURRUB	3:30:00 PM	68268						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK	9:30:00 AM	68269						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK	11:30:00 AM	68270						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK	1:30:00 PM	68271						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK	3:30:00 PM	68272						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK.fx	9:30:00 AM	68273						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK.fx	11:30:00 AM	68274						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK.fx	1:30:00 PM	68275						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSEK.fx	3:30:00 PM	68276						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD	9:30:00 AM	68277						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD	11:30:00 AM	68278						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD	1:30:00 PM	68279						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD	3:30:00 PM	68280						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD.fx	9:30:00 AM	68281						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD.fx	11:30:00 AM	68282						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURSGD.fx	1:30:00 PM	68283						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	EURSGD.fx	3:30:00 PM	68284						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD	9:30:00 AM	68285						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD	11:30:00 AM	68286						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD	1:30:00 PM	68287						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD	3:30:00 PM	68288						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD.fx	9:30:00 AM	68289						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD.fx	11:30:00 AM	68290						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD.fx	1:30:00 PM	68291						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURUSD.fx	3:30:00 PM	68292						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR	9:30:00 AM	68293						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR	11:30:00 AM	68294						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR	1:30:00 PM	68295						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR	3:30:00 PM	68296						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR.fx	9:30:00 AM	68297						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR.fx	11:30:00 AM	68298						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR.fx	1:30:00 PM	68299						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	EURZAR.fx	3:30:00 PM	68300						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD	9:30:00 AM	68301						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD	11:30:00 AM	68302						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD	1:30:00 PM	68303						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD	3:30:00 PM	68304						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD.fx	9:30:00 AM	68305						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD.fx	11:30:00 AM	68306						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD.fx	1:30:00 PM	68307						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPAUD.fx	3:30:00 PM	68308						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD	9:30:00 AM	68309						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD	11:30:00 AM	68310						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD	1:30:00 PM	68311						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD	3:30:00 PM	68312						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD.fx	9:30:00 AM	68313						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD.fx	11:30:00 AM	68314						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD.fx	1:30:00 PM	68315						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCAD.fx	3:30:00 PM	68316						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHEF	9:30:00 AM	68317						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	GBPCHF	11:30:00 AM	68318						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF	1:30:00 PM	68319						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF	3:30:00 PM	68320						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF.fx	9:30:00 AM	68321						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF.fx	11:30:00 AM	68322						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF.fx	1:30:00 PM	68323						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCHF.fx	3:30:00 PM	68324						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCZK	9:30:00 AM	68325						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCZK	11:30:00 AM	68326						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCZK	1:30:00 PM	68327						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPCZK	3:30:00 PM	68328						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK	9:30:00 AM	68329						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK	11:30:00 AM	68330						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK	1:30:00 PM	68331						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK	3:30:00 PM	68332						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK.fx	9:30:00 AM	68333						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK.fx	11:30:00 AM	68334						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK.fx	1:30:00 PM	68335						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPDKK.fx	3:30:00 PM	68336						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHKD	9:30:00 AM	68337						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHKD	11:30:00 AM	68338						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHKD	1:30:00 PM	68339						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHKD	3:30:00 PM	68340						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHUF	9:30:00 AM	68341						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHUF	11:30:00 AM	68342						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHUF	1:30:00 PM	68343						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPHUF	3:30:00 PM	68344						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY	9:30:00 AM	68345						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY	11:30:00 AM	68346						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY	1:30:00 PM	68347						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY	3:30:00 PM	68348						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY.fx	9:30:00 AM	68349						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY.fx	11:30:00 AM	68350						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPJPY.fx	1:30:00 PM	68351						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	GBPJPY.fx	3:30:00 PM	68352						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPMXN	9:30:00 AM	68353						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPMXN	11:30:00 AM	68354						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPMXN	1:30:00 PM	68355						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPMXN	3:30:00 PM	68356						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK	9:30:00 AM	68357						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK	11:30:00 AM	68358						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK	1:30:00 PM	68359						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK	3:30:00 PM	68360						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK.fx	9:30:00 AM	68361						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK.fx	11:30:00 AM	68362						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK.fx	1:30:00 PM	68363						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNOK.fx	3:30:00 PM	68364						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD	9:30:00 AM	68365						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD	11:30:00 AM	68366						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD	1:30:00 PM	68367						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD	3:30:00 PM	68368						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD.fx	9:30:00 AM	68369						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD.fx	11:30:00 AM	68370						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD.fx	1:30:00 PM	68371						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPNZD.fx	3:30:00 PM	68372						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN	9:30:00 AM	68373						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN	11:30:00 AM	68374						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN	1:30:00 PM	68375						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN	3:30:00 PM	68376						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN.fx	9:30:00 AM	68377						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN.fx	11:30:00 AM	68378						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN.fx	1:30:00 PM	68379						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPPLN.fx	3:30:00 PM	68380						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK	9:30:00 AM	68381						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK	11:30:00 AM	68382						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK	1:30:00 PM	68383						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK	3:30:00 PM	68384						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK.fx	9:30:00 AM	68385						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	GBPSEK.fx	11:30:00 AM	68386						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK.fx	1:30:00 PM	68387						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSEK.fx	3:30:00 PM	68388						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD	9:30:00 AM	68389						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD	11:30:00 AM	68390						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD	1:30:00 PM	68391						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD	3:30:00 PM	68392						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD.fx	9:30:00 AM	68393						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD.fx	11:30:00 AM	68394						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD.fx	1:30:00 PM	68395						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPSGD.fx	3:30:00 PM	68396						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD	9:30:00 AM	68397						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD	11:30:00 AM	68398						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD	1:30:00 PM	68399						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD	3:30:00 PM	68400						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD.fx	9:30:00 AM	68401						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD.fx	11:30:00 AM	68402						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD.fx	1:30:00 PM	68403						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPUSD.fx	3:30:00 PM	68404						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR	9:30:00 AM	68405						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR	11:30:00 AM	68406						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR	1:30:00 PM	68407						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR	3:30:00 PM	68408						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR.fx	9:30:00 AM	68409						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR.fx	11:30:00 AM	68410						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR.fx	1:30:00 PM	68411						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GBPZAR.fx	3:30:00 PM	68412						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GOLD	9:30:00 AM	68413						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GOLD	11:30:00 AM	68414						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GOLD	1:30:00 PM	68415						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	GOLD	3:30:00 PM	68416						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY	9:30:00 AM	68417						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY	11:30:00 AM	68418						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY	1:30:00 PM	68419						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	HKDJPY	3:30:00 PM	68420						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY.fx	9:30:00 AM	68421						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY.fx	11:30:00 AM	68422						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY.fx	1:30:00 PM	68423						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HKDJPY.fx	3:30:00 PM	68424						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HUFJPY	9:30:00 AM	68425						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HUFJPY	11:30:00 AM	68426						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HUFJPY	1:30:00 PM	68427						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	HUFJPY	3:30:00 PM	68428						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JP225.i	9:30:00 AM	68429						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JP225.i	11:30:00 AM	68430						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JP225.i	1:30:00 PM	68431						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JP225.i	3:30:00 PM	68432						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	MXNJPY	9:30:00 AM	68433						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	MXNJPY	11:30:00 AM	68434						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	MXNJPY	1:30:00 PM	68435						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	MXNJPY	3:30:00 PM	68436						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NASDAQ.i	9:30:00 AM	68437						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NASDAQ.i	11:30:00 AM	68438						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NASDAQ.i	1:30:00 PM	68439						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NASDAQ.i	3:30:00 PM	68440						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY	9:30:00 AM	68441						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY	11:30:00 AM	68442						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY	1:30:00 PM	68443						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY	3:30:00 PM	68444						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY.fx	9:30:00 AM	68445						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY.fx	11:30:00 AM	68446						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY.fx	1:30:00 PM	68447						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NOKJPY.fx	3:30:00 PM	68448						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD	9:30:00 AM	68449						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD	11:30:00 AM	68450						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD	1:30:00 PM	68451						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD	3:30:00 PM	68452						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD.fx	9:30:00 AM	68453						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	NZDCAD.fx	11:30:00 AM	68454						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD.fx	1:30:00 PM	68455						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCAD.fx	3:30:00 PM	68456						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF	9:30:00 AM	68457						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF	11:30:00 AM	68458						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF	1:30:00 PM	68459						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF	3:30:00 PM	68460						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF.fx	9:30:00 AM	68461						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF.fx	11:30:00 AM	68462						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF.fx	1:30:00 PM	68463						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCHF.fx	3:30:00 PM	68464						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCZK	9:30:00 AM	68465						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCZK	11:30:00 AM	68466						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCZK	1:30:00 PM	68467						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDCZK	3:30:00 PM	68468						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDDKK	9:30:00 AM	68469						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDDKK	11:30:00 AM	68470						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDDKK	1:30:00 PM	68471						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDDKK	3:30:00 PM	68472						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHKD	9:30:00 AM	68473						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHKD	11:30:00 AM	68474						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHKD	1:30:00 PM	68475						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHKD	3:30:00 PM	68476						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHUF	9:30:00 AM	68477						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHUF	11:30:00 AM	68478						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHUF	1:30:00 PM	68479						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDHUF	3:30:00 PM	68480						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY	9:30:00 AM	68481						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY	11:30:00 AM	68482						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY	1:30:00 PM	68483						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY	3:30:00 PM	68484						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY.fx	9:30:00 AM	68485						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY.fx	11:30:00 AM	68486						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDJPY.fx	1:30:00 PM	68487						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	NZDJPY.fx	3:30:00 PM	68488						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDMXN	9:30:00 AM	68489						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDMXN	11:30:00 AM	68490						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDMXN	1:30:00 PM	68491						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDMXN	3:30:00 PM	68492						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDNOK	9:30:00 AM	68493						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDNOK	11:30:00 AM	68494						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDNOK	1:30:00 PM	68495						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDNOK	3:30:00 PM	68496						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDPLN	9:30:00 AM	68497						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDPLN	11:30:00 AM	68498						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDPLN	1:30:00 PM	68499						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDPLN	3:30:00 PM	68500						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSEK	9:30:00 AM	68501						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSEK	11:30:00 AM	68502						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSEK	1:30:00 PM	68503						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSEK	3:30:00 PM	68504						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD	9:30:00 AM	68505						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD	11:30:00 AM	68506						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD	1:30:00 PM	68507						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD	3:30:00 PM	68508						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD.fx	9:30:00 AM	68509						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD.fx	11:30:00 AM	68510						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD.fx	1:30:00 PM	68511						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDSGD.fx	3:30:00 PM	68512						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD	9:30:00 AM	68513						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD	11:30:00 AM	68514						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD	1:30:00 PM	68515						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD	3:30:00 PM	68516						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD.fx	9:30:00 AM	68517						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD.fx	11:30:00 AM	68518						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD.fx	1:30:00 PM	68519						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDUSD.fx	3:30:00 PM	68520						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDZAR	9:30:00 AM	68521						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	NZDZAR	11:30:00 AM	68522						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDZAR	1:30:00 PM	68523						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	NZDZAR	3:30:00 PM	68524						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY	9:30:00 AM	68525						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY	11:30:00 AM	68526						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY	1:30:00 PM	68527						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY	3:30:00 PM	68528						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY.fx	9:30:00 AM	68529						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY.fx	11:30:00 AM	68530						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY.fx	1:30:00 PM	68531						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SEKJPY.fx	3:30:00 PM	68532						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SGDJPY	9:30:00 AM	68533						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SGDJPY	11:30:00 AM	68534						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SGDJPY	1:30:00 PM	68535						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SGDJPY	3:30:00 PM	68536						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SILVER	9:30:00 AM	68537						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SILVER	11:30:00 AM	68538						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SILVER	1:30:00 PM	68539						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SILVER	3:30:00 PM	68540						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SPX500.i	9:30:00 AM	68541						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SPX500.i	11:30:00 AM	68542						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SPX500.i	1:30:00 PM	68543						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	SPX500.i	3:30:00 PM	68544						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	UK100.i	9:30:00 AM	68545						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	UK100.i	11:30:00 AM	68546						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	UK100.i	1:30:00 PM	68547						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	UK100.i	3:30:00 PM	68548						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD	9:30:00 AM	68549						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD	11:30:00 AM	68550						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD	1:30:00 PM	68551						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD	3:30:00 PM	68552						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD.fx	9:30:00 AM	68553						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD.fx	11:30:00 AM	68554						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCAD.fx	1:30:00 PM	68555						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	USDCAD.fx	3:30:00 PM	68556						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF	9:30:00 AM	68557						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF	11:30:00 AM	68558						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF	1:30:00 PM	68559						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF	3:30:00 PM	68560						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF.fx	9:30:00 AM	68561						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF.fx	11:30:00 AM	68562						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF.fx	1:30:00 PM	68563						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCHF.fx	3:30:00 PM	68564						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK	9:30:00 AM	68565						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK	11:30:00 AM	68566						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK	1:30:00 PM	68567						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK	3:30:00 PM	68568						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK.fx	9:30:00 AM	68569						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK.fx	11:30:00 AM	68570						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK.fx	1:30:00 PM	68571						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDCZK.fx	3:30:00 PM	68572						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK	9:30:00 AM	68573						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK	11:30:00 AM	68574						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK	1:30:00 PM	68575						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK	3:30:00 PM	68576						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK.fx	9:30:00 AM	68577						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK.fx	11:30:00 AM	68578						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK.fx	1:30:00 PM	68579						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDDKK.fx	3:30:00 PM	68580						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD	9:30:00 AM	68581						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD	11:30:00 AM	68582						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD	1:30:00 PM	68583						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD	3:30:00 PM	68584						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD.fx	9:30:00 AM	68585						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD.fx	11:30:00 AM	68586						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD.fx	1:30:00 PM	68587						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHKD.fx	3:30:00 PM	68588						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF	9:30:00 AM	68589						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	USDHUF	11:30:00 AM	68590						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF	1:30:00 PM	68591						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF	3:30:00 PM	68592						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF.fx	9:30:00 AM	68593						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF.fx	11:30:00 AM	68594						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF.fx	1:30:00 PM	68595						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDHUF.fx	3:30:00 PM	68596						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDINR	9:30:00 AM	68597						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDINR	11:30:00 AM	68598						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDINR	1:30:00 PM	68599						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDINR	3:30:00 PM	68600						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY	9:30:00 AM	68601						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY	11:30:00 AM	68602						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY	1:30:00 PM	68603						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY	3:30:00 PM	68604						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY.fx	9:30:00 AM	68605						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY.fx	11:30:00 AM	68606						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY.fx	1:30:00 PM	68607						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDJPY.fx	3:30:00 PM	68608						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDMXN	9:30:00 AM	68609						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDMXN	11:30:00 AM	68610						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDMXN	1:30:00 PM	68611						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDMXN	3:30:00 PM	68612						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JSDMXN.fx	9:30:00 AM	68613						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JSDMXN.fx	11:30:00 AM	68614						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JSDMXN.fx	1:30:00 PM	68615						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	JSDMXN.fx	3:30:00 PM	68616						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK	9:30:00 AM	68617						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK	11:30:00 AM	68618						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK	1:30:00 PM	68619						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK	3:30:00 PM	68620						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK.fx	9:30:00 AM	68621						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK.fx	11:30:00 AM	68622						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDNOK.fx	1:30:00 PM	68623						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	USDNOK.fx	3:30:00 PM	68624						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN	9:30:00 AM	68625						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN	11:30:00 AM	68626						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN	1:30:00 PM	68627						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN	3:30:00 PM	68628						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN.fx	9:30:00 AM	68629						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN.fx	11:30:00 AM	68630						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN.fx	1:30:00 PM	68631						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDPLN.fx	3:30:00 PM	68632						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDRUB	9:30:00 AM	68633						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDRUB	11:30:00 AM	68634						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDRUB	1:30:00 PM	68635						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	USDSEK	9:30:00 AM	68637						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	USDSEK.fx	11:30:00 AM	68642						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSEK.fx	1:30:00 PM	68643						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSEK.fx	3:30:00 PM	68644						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD	9:30:00 AM	68645						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD	11:30:00 AM	68646						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD	1:30:00 PM	68647						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD	3:30:00 PM	68648						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD.fx	9:30:00 AM	68649						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD.fx	11:30:00 AM	68650						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD.fx	1:30:00 PM	68651						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDSGD.fx	3:30:00 PM	68652						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDZAR	9:30:00 AM	68653						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDZAR	11:30:00 AM	68654						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDZAR	1:30:00 PM	68655						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDZAR	3:30:00 PM	68656						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	USDZAR.fx	9:30:00 AM	68657						Continuous Quote	N/A	ELECTRONIC	N/A

11/27/2019	USDZAR.fx	11:30:00 AM	68658						Continuous Quote	N/A	ELECTRONIC	N/A
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11/27/2019	XAUUSD	9:30:00 AM	68661						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	XAUUSD	11:30:00 AM	68662						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	XAUUSD	1:30:00 PM	68663						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	XAUUSD	3:30:00 PM	68664						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY	9:30:00 AM	68665						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY	11:30:00 AM	68666						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY	1:30:00 PM	68667						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY	3:30:00 PM	68668						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY.fx	9:30:00 AM	68669						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY.fx	11:30:00 AM	68670						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY.fx	1:30:00 PM	68671						Continuous Quote	N/A	ELECTRONIC	N/A
11/27/2019	ZARJPY.fx	3:30:00 PM	68672						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AA	1:30:00 PM	68675						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AA	3:30:00 PM	68676						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AABA	3:30:00 PM	68680						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AAL	9:30:00 AM	68681						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AAL	1:30:00 PM	68683						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AAPL	1:30:00 PM	68687						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AAPL	3:30:00 PM	68688						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#ADBE	11:30:00 AM	68690						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#ADBE	1:30:00 PM	68691						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	#ADBE	3:30:00 PM	68692						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AIG	1:30:00 PM	68695						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AIG	3:30:00 PM	68696						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AMD	9:30:00 AM	68697						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AMD	11:30:00 AM	68698						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AMZN	3:30:00 PM	68704						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#AXP	9:30:00 AM	68705						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#AXP	3:30:00 PM	68708						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BA	9:30:00 AM	68709						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#BA	3:30:00 PM	68712						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BABA	9:30:00 AM	68713						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BABA	11:30:00 AM	68714						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BABA	1:30:00 PM	68715						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BABA	3:30:00 PM	68716						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BAC	9:30:00 AM	68717						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BAC	11:30:00 AM	68718						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BAC	1:30:00 PM	68719						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BAC	3:30:00 PM	68720						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BARC	9:30:00 AM	68721						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#BARC	3:30:00 PM	68724						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BHP	9:30:00 AM	68725						Continuous Quote	N/A	ELECTRONIC	N/A

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11/28/2019	#BHP	3:30:00 PM	68728						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#Bitcoin	11:30:00 AM	68734						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#Bitcoin	1:30:00 PM	68735						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#Bitcoin	3:30:00 PM	68736						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#BK	9:30:00 AM	68737						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#BK	3:30:00 PM	68740						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#BLT	3:30:00 PM	68744						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#CL.f	3:30:00 PM	68768						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	#CMCSA	9:30:00 AM	68769						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#CMCSA	1:30:00 PM	68771						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#CSCO	9:30:00 AM	68773						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#CVX	3:30:00 PM	68780						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#DWDP	3:30:00 PM	68792						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	#EBAY	11:30:00 AM	68794						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	AUDUSD	3:30:00 PM	69200						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDUSD.fx	9:30:00 AM	69201						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	AUDUSD.fx	11:30:00 AM	69202						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDUSD.fx	1:30:00 PM	69203						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDUSD.fx	3:30:00 PM	69204						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDZAR	9:30:00 AM	69205						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDZAR	11:30:00 AM	69206						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDZAR	1:30:00 PM	69207						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUDZAR	3:30:00 PM	69208						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUS200.i	9:30:00 AM	69209						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUS200.i	11:30:00 AM	69210						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUS200.i	1:30:00 PM	69211						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	AUS200.i	3:30:00 PM	69212						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	BCHUSD	9:30:00 AM	69213						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	BCHUSD	11:30:00 AM	69214						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	BCHUSD	1:30:00 PM	69215						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	BCHUSD	3:30:00 PM	69216						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF	9:30:00 AM	69217						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF	11:30:00 AM	69218						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF	1:30:00 PM	69219						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF	3:30:00 PM	69220						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF.fx	9:30:00 AM	69221						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF.fx	11:30:00 AM	69222						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF.fx	1:30:00 PM	69223						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCHF.fx	3:30:00 PM	69224						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCZK	9:30:00 AM	69225						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCZK	11:30:00 AM	69226						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCZK	1:30:00 PM	69227						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADCZK	3:30:00 PM	69228						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADDDKK	9:30:00 AM	69229						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADDDKK	11:30:00 AM	69230						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADDDKK	1:30:00 PM	69231						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADDDKK	3:30:00 PM	69232						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHKD	9:30:00 AM	69233						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHKD	11:30:00 AM	69234						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHKD	1:30:00 PM	69235						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	CADHKD	3:30:00 PM	69236						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHUF	9:30:00 AM	69237						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHUF	11:30:00 AM	69238						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHUF	1:30:00 PM	69239						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADHUF	3:30:00 PM	69240						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY	9:30:00 AM	69241						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY	11:30:00 AM	69242						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY	1:30:00 PM	69243						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY	3:30:00 PM	69244						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY.fx	9:30:00 AM	69245						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY.fx	11:30:00 AM	69246						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY.fx	1:30:00 PM	69247						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADJPY.fx	3:30:00 PM	69248						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADMXN	9:30:00 AM	69249						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADMXN	11:30:00 AM	69250						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADMXN	1:30:00 PM	69251						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADMXN	3:30:00 PM	69252						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADNOK	9:30:00 AM	69253						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADNOK	11:30:00 AM	69254						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADNOK	1:30:00 PM	69255						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADNOK	3:30:00 PM	69256						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADPLN	9:30:00 AM	69257						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADPLN	11:30:00 AM	69258						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADPLN	1:30:00 PM	69259						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADPLN	3:30:00 PM	69260						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSEK	9:30:00 AM	69261						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSEK	11:30:00 AM	69262						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSEK	1:30:00 PM	69263						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSEK	3:30:00 PM	69264						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSGD	9:30:00 AM	69265						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSGD	11:30:00 AM	69266						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSGD	1:30:00 PM	69267						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADSGD	3:30:00 PM	69268						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADZAR	9:30:00 AM	69269						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	CADZAR	11:30:00 AM	69270						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADZAR	1:30:00 PM	69271						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CADZAR	3:30:00 PM	69272						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFCZK	9:30:00 AM	69273						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFCZK	11:30:00 AM	69274						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFCZK	1:30:00 PM	69275						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFCZK	3:30:00 PM	69276						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK	9:30:00 AM	69277						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK	11:30:00 AM	69278						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK	1:30:00 PM	69279						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK	3:30:00 PM	69280						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK.fx	9:30:00 AM	69281						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK.fx	11:30:00 AM	69282						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK.fx	1:30:00 PM	69283						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFDKK.fx	3:30:00 PM	69284						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHKD	9:30:00 AM	69285						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHKD	11:30:00 AM	69286						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHKD	1:30:00 PM	69287						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHKD	3:30:00 PM	69288						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHUF	9:30:00 AM	69289						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHUF	11:30:00 AM	69290						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHUF	1:30:00 PM	69291						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFHUF	3:30:00 PM	69292						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY	9:30:00 AM	69293						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY	11:30:00 AM	69294						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY	1:30:00 PM	69295						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY	3:30:00 PM	69296						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY.fx	9:30:00 AM	69297						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY.fx	11:30:00 AM	69298						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY.fx	1:30:00 PM	69299						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFJPY.fx	3:30:00 PM	69300						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFMXN	9:30:00 AM	69301						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFMXN	11:30:00 AM	69302						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFMXN	1:30:00 PM	69303						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	CHFMXN	3:30:00 PM	69304						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK	9:30:00 AM	69305						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK	11:30:00 AM	69306						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK	1:30:00 PM	69307						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK	3:30:00 PM	69308						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK.fx	9:30:00 AM	69309						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK.fx	11:30:00 AM	69310						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK.fx	1:30:00 PM	69311						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFNOK.fx	3:30:00 PM	69312						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN	9:30:00 AM	69313						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN	11:30:00 AM	69314						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN	1:30:00 PM	69315						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN	3:30:00 PM	69316						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN.fx	9:30:00 AM	69317						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN.fx	11:30:00 AM	69318						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN.fx	1:30:00 PM	69319						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFPLN.fx	3:30:00 PM	69320						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSEK	9:30:00 AM	69321						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSEK	11:30:00 AM	69322						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSEK	1:30:00 PM	69323						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSEK	3:30:00 PM	69324						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD	9:30:00 AM	69325						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD	11:30:00 AM	69326						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD	1:30:00 PM	69327						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD	3:30:00 PM	69328						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD.fx	9:30:00 AM	69329						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD.fx	11:30:00 AM	69330						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD.fx	1:30:00 PM	69331						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFSGD.fx	3:30:00 PM	69332						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFZAR	9:30:00 AM	69333						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFZAR	11:30:00 AM	69334						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFZAR	1:30:00 PM	69335						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CHFZAR	3:30:00 PM	69336						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CZKJPY	9:30:00 AM	69337						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	CZKJPY	11:30:00 AM	69338						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CZKJPY	1:30:00 PM	69339						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	CZKJPY	3:30:00 PM	69340						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DAX30.i	9:30:00 AM	69341						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DAX30.i	11:30:00 AM	69342						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DAX30.i	1:30:00 PM	69343						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DAX30.i	3:30:00 PM	69344						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DJ30.i	9:30:00 AM	69345						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DJ30.i	11:30:00 AM	69346						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DJ30.i	1:30:00 PM	69347						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DJ30.i	3:30:00 PM	69348						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DKKJPY	9:30:00 AM	69349						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DKKJPY	11:30:00 AM	69350						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DKKJPY	1:30:00 PM	69351						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	DKKJPY	3:30:00 PM	69352						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD	9:30:00 AM	69353						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD	11:30:00 AM	69354						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD	1:30:00 PM	69355						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD	3:30:00 PM	69356						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD.fx	9:30:00 AM	69357						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD.fx	11:30:00 AM	69358						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD.fx	1:30:00 PM	69359						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURAUD.fx	3:30:00 PM	69360						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD	9:30:00 AM	69361						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD	11:30:00 AM	69362						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD	1:30:00 PM	69363						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD	3:30:00 PM	69364						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD.fx	9:30:00 AM	69365						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD.fx	11:30:00 AM	69366						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD.fx	1:30:00 PM	69367						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCAD.fx	3:30:00 PM	69368						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF	9:30:00 AM	69369						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF	11:30:00 AM	69370						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF	1:30:00 PM	69371						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	EURCHF	3:30:00 PM	69372						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF.fx	9:30:00 AM	69373						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF.fx	11:30:00 AM	69374						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF.fx	1:30:00 PM	69375						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCHF.fx	3:30:00 PM	69376						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCZK	9:30:00 AM	69377						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCZK	11:30:00 AM	69378						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCZK	1:30:00 PM	69379						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURCZK	3:30:00 PM	69380						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURDKK	9:30:00 AM	69381						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURDKK	11:30:00 AM	69382						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURDKK	1:30:00 PM	69383						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURDKK	3:30:00 PM	69384						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP	9:30:00 AM	69385						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP	11:30:00 AM	69386						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP	1:30:00 PM	69387						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP	3:30:00 PM	69388						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP.fx	9:30:00 AM	69389						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP.fx	11:30:00 AM	69390						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP.fx	1:30:00 PM	69391						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURGBP.fx	3:30:00 PM	69392						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD	9:30:00 AM	69393						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD	11:30:00 AM	69394						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD	1:30:00 PM	69395						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD	3:30:00 PM	69396						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD.fx	9:30:00 AM	69397						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD.fx	11:30:00 AM	69398						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD.fx	1:30:00 PM	69399						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHKD.fx	3:30:00 PM	69400						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF	9:30:00 AM	69401						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF	11:30:00 AM	69402						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF	1:30:00 PM	69403						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF	3:30:00 PM	69404						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF.fx	9:30:00 AM	69405						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	EURHUF.fx	11:30:00 AM	69406						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF.fx	1:30:00 PM	69407						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURHUF.fx	3:30:00 PM	69408						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY	9:30:00 AM	69409						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY	11:30:00 AM	69410						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY	1:30:00 PM	69411						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY	3:30:00 PM	69412						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY.fx	9:30:00 AM	69413						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY.fx	11:30:00 AM	69414						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY.fx	1:30:00 PM	69415						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURJPY.fx	3:30:00 PM	69416						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN	9:30:00 AM	69417						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN	11:30:00 AM	69418						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN	1:30:00 PM	69419						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN	3:30:00 PM	69420						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN.fx	9:30:00 AM	69421						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN.fx	11:30:00 AM	69422						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN.fx	1:30:00 PM	69423						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURMXN.fx	3:30:00 PM	69424						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK	9:30:00 AM	69425						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK	11:30:00 AM	69426						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK	1:30:00 PM	69427						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK	3:30:00 PM	69428						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK.fx	9:30:00 AM	69429						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK.fx	11:30:00 AM	69430						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK.fx	1:30:00 PM	69431						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNOK.fx	3:30:00 PM	69432						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD	9:30:00 AM	69433						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD	11:30:00 AM	69434						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD	1:30:00 PM	69435						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD	3:30:00 PM	69436						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD.fx	9:30:00 AM	69437						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD.fx	11:30:00 AM	69438						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURNZD.fx	1:30:00 PM	69439						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	EURNZD.fx	3:30:00 PM	69440						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN	9:30:00 AM	69441						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN	11:30:00 AM	69442						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN	1:30:00 PM	69443						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN	3:30:00 PM	69444						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN.fx	9:30:00 AM	69445						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN.fx	11:30:00 AM	69446						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN.fx	1:30:00 PM	69447						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURPLN.fx	3:30:00 PM	69448						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURRUB	9:30:00 AM	69449						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURRUB	11:30:00 AM	69450						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURRUB	1:30:00 PM	69451						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURRUB	3:30:00 PM	69452						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK	9:30:00 AM	69453						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK	11:30:00 AM	69454						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK	1:30:00 PM	69455						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK	3:30:00 PM	69456						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK.fx	9:30:00 AM	69457						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK.fx	11:30:00 AM	69458						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK.fx	1:30:00 PM	69459						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSEK.fx	3:30:00 PM	69460						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD	9:30:00 AM	69461						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD	11:30:00 AM	69462						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD	1:30:00 PM	69463						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD	3:30:00 PM	69464						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD.fx	9:30:00 AM	69465						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD.fx	11:30:00 AM	69466						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD.fx	1:30:00 PM	69467						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURSGD.fx	3:30:00 PM	69468						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD	9:30:00 AM	69469						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD	11:30:00 AM	69470						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD	1:30:00 PM	69471						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD	3:30:00 PM	69472						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD.fx	9:30:00 AM	69473						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	EURUSD.fx	11:30:00 AM	69474						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD.fx	1:30:00 PM	69475						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURUSD.fx	3:30:00 PM	69476						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR	9:30:00 AM	69477						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR	11:30:00 AM	69478						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR	1:30:00 PM	69479						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR	3:30:00 PM	69480						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR.fx	9:30:00 AM	69481						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR.fx	11:30:00 AM	69482						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR.fx	1:30:00 PM	69483						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	EURZAR.fx	3:30:00 PM	69484						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD	9:30:00 AM	69485						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD	11:30:00 AM	69486						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD	1:30:00 PM	69487						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD	3:30:00 PM	69488						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD.fx	9:30:00 AM	69489						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD.fx	11:30:00 AM	69490						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD.fx	1:30:00 PM	69491						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPAUD.fx	3:30:00 PM	69492						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD	9:30:00 AM	69493						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD	11:30:00 AM	69494						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD	1:30:00 PM	69495						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD	3:30:00 PM	69496						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD.fx	9:30:00 AM	69497						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD.fx	11:30:00 AM	69498						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD.fx	1:30:00 PM	69499						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCAD.fx	3:30:00 PM	69500						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF	9:30:00 AM	69501						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF	11:30:00 AM	69502						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF	1:30:00 PM	69503						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF	3:30:00 PM	69504						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF.fx	9:30:00 AM	69505						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF.fx	11:30:00 AM	69506						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCHF.fx	1:30:00 PM	69507						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	GBPCHF.fx	3:30:00 PM	69508						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCZK	9:30:00 AM	69509						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCZK	11:30:00 AM	69510						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCZK	1:30:00 PM	69511						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPCZK	3:30:00 PM	69512						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK	9:30:00 AM	69513						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK	11:30:00 AM	69514						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK	1:30:00 PM	69515						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK	3:30:00 PM	69516						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK.fx	9:30:00 AM	69517						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK.fx	11:30:00 AM	69518						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK.fx	1:30:00 PM	69519						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPDKK.fx	3:30:00 PM	69520						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHKD	9:30:00 AM	69521						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHKD	11:30:00 AM	69522						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHKD	1:30:00 PM	69523						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHKD	3:30:00 PM	69524						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHUF	9:30:00 AM	69525						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHUF	11:30:00 AM	69526						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHUF	1:30:00 PM	69527						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPHUF	3:30:00 PM	69528						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY	9:30:00 AM	69529						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY	11:30:00 AM	69530						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY	1:30:00 PM	69531						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY	3:30:00 PM	69532						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY.fx	9:30:00 AM	69533						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY.fx	11:30:00 AM	69534						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY.fx	1:30:00 PM	69535						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPJPY.fx	3:30:00 PM	69536						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPMXN	9:30:00 AM	69537						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPMXN	11:30:00 AM	69538						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPMXN	1:30:00 PM	69539						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPMXN	3:30:00 PM	69540						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK	9:30:00 AM	69541						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	GBPNOK	11:30:00 AM	69542						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK	1:30:00 PM	69543						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK	3:30:00 PM	69544						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK.fx	9:30:00 AM	69545						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK.fx	11:30:00 AM	69546						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK.fx	1:30:00 PM	69547						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNOK.fx	3:30:00 PM	69548						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD	9:30:00 AM	69549						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD	11:30:00 AM	69550						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD	1:30:00 PM	69551						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD	3:30:00 PM	69552						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD.fx	9:30:00 AM	69553						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD.fx	11:30:00 AM	69554						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD.fx	1:30:00 PM	69555						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPNZD.fx	3:30:00 PM	69556						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN	9:30:00 AM	69557						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN	11:30:00 AM	69558						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN	1:30:00 PM	69559						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN	3:30:00 PM	69560						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN.fx	9:30:00 AM	69561						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN.fx	11:30:00 AM	69562						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN.fx	1:30:00 PM	69563						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPPLN.fx	3:30:00 PM	69564						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK	9:30:00 AM	69565						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK	11:30:00 AM	69566						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK	1:30:00 PM	69567						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK	3:30:00 PM	69568						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK.fx	9:30:00 AM	69569						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK.fx	11:30:00 AM	69570						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK.fx	1:30:00 PM	69571						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSEK.fx	3:30:00 PM	69572						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD	9:30:00 AM	69573						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD	11:30:00 AM	69574						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD	1:30:00 PM	69575						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	GBPSGD	3:30:00 PM	69576						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD.fx	9:30:00 AM	69577						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD.fx	11:30:00 AM	69578						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD.fx	1:30:00 PM	69579						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPSGD.fx	3:30:00 PM	69580						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPUSD	9:30:00 AM	69581						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPUSD	11:30:00 AM	69582						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPUSD	1:30:00 PM	69583						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPUSD	3:30:00 PM	69584						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	GBPUSD.fx	11:30:00 AM	69586						Continuous Quote	N/A	ELECTRONIC	N/A
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11/28/2019	GBPZAR	9:30:00 AM	69589						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR	11:30:00 AM	69590						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR	1:30:00 PM	69591						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR	3:30:00 PM	69592						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR.fx	9:30:00 AM	69593						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR.fx	11:30:00 AM	69594						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR.fx	1:30:00 PM	69595						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GBPZAR.fx	3:30:00 PM	69596						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GOLD	9:30:00 AM	69597						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GOLD	11:30:00 AM	69598						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GOLD	1:30:00 PM	69599						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	GOLD	3:30:00 PM	69600						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY	9:30:00 AM	69601						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY	11:30:00 AM	69602						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY	1:30:00 PM	69603						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY	3:30:00 PM	69604						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY.fx	9:30:00 AM	69605						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY.fx	11:30:00 AM	69606						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY.fx	1:30:00 PM	69607						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HKDJPY.fx	3:30:00 PM	69608						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HUFJPY	9:30:00 AM	69609						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	HUFJPY	11:30:00 AM	69610						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HUFJPY	1:30:00 PM	69611						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	HUFJPY	3:30:00 PM	69612						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JP225.i	9:30:00 AM	69613						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JP225.i	11:30:00 AM	69614						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JP225.i	1:30:00 PM	69615						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JP225.i	3:30:00 PM	69616						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	MXNJPY	9:30:00 AM	69617						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	MXNJPY	11:30:00 AM	69618						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	MXNJPY	1:30:00 PM	69619						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	MXNJPY	3:30:00 PM	69620						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NASDAQ.i	9:30:00 AM	69621						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NASDAQ.i	11:30:00 AM	69622						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NASDAQ.i	1:30:00 PM	69623						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NASDAQ.i	3:30:00 PM	69624						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY	9:30:00 AM	69625						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY	11:30:00 AM	69626						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY	1:30:00 PM	69627						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY	3:30:00 PM	69628						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY.fx	9:30:00 AM	69629						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY.fx	11:30:00 AM	69630						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY.fx	1:30:00 PM	69631						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NOKJPY.fx	3:30:00 PM	69632						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD	9:30:00 AM	69633						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD	11:30:00 AM	69634						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD	1:30:00 PM	69635						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD	3:30:00 PM	69636						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD.fx	9:30:00 AM	69637						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD.fx	11:30:00 AM	69638						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD.fx	1:30:00 PM	69639						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCAD.fx	3:30:00 PM	69640						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF	9:30:00 AM	69641						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF	11:30:00 AM	69642						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF	1:30:00 PM	69643						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	NZDCHF	3:30:00 PM	69644						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF.fx	9:30:00 AM	69645						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF.fx	11:30:00 AM	69646						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF.fx	1:30:00 PM	69647						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCHF.fx	3:30:00 PM	69648						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCZK	9:30:00 AM	69649						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCZK	11:30:00 AM	69650						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCZK	1:30:00 PM	69651						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDCZK	3:30:00 PM	69652						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDDKK	9:30:00 AM	69653						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDDKK	11:30:00 AM	69654						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDDKK	1:30:00 PM	69655						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDDKK	3:30:00 PM	69656						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHKD	9:30:00 AM	69657						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHKD	11:30:00 AM	69658						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHKD	1:30:00 PM	69659						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHKD	3:30:00 PM	69660						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHUF	9:30:00 AM	69661						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHUF	11:30:00 AM	69662						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHUF	1:30:00 PM	69663						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDHUF	3:30:00 PM	69664						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY	9:30:00 AM	69665						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY	11:30:00 AM	69666						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY	1:30:00 PM	69667						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY	3:30:00 PM	69668						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY.fx	9:30:00 AM	69669						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY.fx	11:30:00 AM	69670						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY.fx	1:30:00 PM	69671						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDJPY.fx	3:30:00 PM	69672						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDMXN	9:30:00 AM	69673						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDMXN	11:30:00 AM	69674						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDMXN	1:30:00 PM	69675						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDMXN	3:30:00 PM	69676						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDNOK	9:30:00 AM	69677						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	NZDNOK	11:30:00 AM	69678						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDNOK	1:30:00 PM	69679						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDNOK	3:30:00 PM	69680						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDPLN	9:30:00 AM	69681						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDPLN	11:30:00 AM	69682						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDPLN	1:30:00 PM	69683						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDPLN	3:30:00 PM	69684						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSEK	9:30:00 AM	69685						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSEK	11:30:00 AM	69686						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSEK	1:30:00 PM	69687						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSEK	3:30:00 PM	69688						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD	9:30:00 AM	69689						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD	11:30:00 AM	69690						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD	1:30:00 PM	69691						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD	3:30:00 PM	69692						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD.fx	9:30:00 AM	69693						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD.fx	11:30:00 AM	69694						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD.fx	1:30:00 PM	69695						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDSGD.fx	3:30:00 PM	69696						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD	9:30:00 AM	69697						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD	11:30:00 AM	69698						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD	1:30:00 PM	69699						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD	3:30:00 PM	69700						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD.fx	9:30:00 AM	69701						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD.fx	11:30:00 AM	69702						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD.fx	1:30:00 PM	69703						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDUSD.fx	3:30:00 PM	69704						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDZAR	9:30:00 AM	69705						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDZAR	11:30:00 AM	69706						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDZAR	1:30:00 PM	69707						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	NZDZAR	3:30:00 PM	69708						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY	9:30:00 AM	69709						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY	11:30:00 AM	69710						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY	1:30:00 PM	69711						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	SEKJPY	3:30:00 PM	69712						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY.fx	9:30:00 AM	69713						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY.fx	11:30:00 AM	69714						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY.fx	1:30:00 PM	69715						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SEKJPY.fx	3:30:00 PM	69716						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SGDJPY	9:30:00 AM	69717						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SGDJPY	11:30:00 AM	69718						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SGDJPY	1:30:00 PM	69719						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SGDJPY	3:30:00 PM	69720						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SILVER	9:30:00 AM	69721						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SILVER	11:30:00 AM	69722						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SILVER	1:30:00 PM	69723						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SILVER	3:30:00 PM	69724						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SPX500.i	9:30:00 AM	69725						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SPX500.i	11:30:00 AM	69726						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SPX500.i	1:30:00 PM	69727						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	SPX500.i	3:30:00 PM	69728						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	UK100.i	9:30:00 AM	69729						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	UK100.i	11:30:00 AM	69730						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	UK100.i	1:30:00 PM	69731						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	UK100.i	3:30:00 PM	69732						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD	9:30:00 AM	69733						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD	11:30:00 AM	69734						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD	1:30:00 PM	69735						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD	3:30:00 PM	69736						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD.fx	9:30:00 AM	69737						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD.fx	11:30:00 AM	69738						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD.fx	1:30:00 PM	69739						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCAD.fx	3:30:00 PM	69740						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF	9:30:00 AM	69741						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF	11:30:00 AM	69742						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF	1:30:00 PM	69743						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF	3:30:00 PM	69744						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF.fx	9:30:00 AM	69745						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	USDCHF.fx	11:30:00 AM	69746						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF.fx	1:30:00 PM	69747						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCHF.fx	3:30:00 PM	69748						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK	9:30:00 AM	69749						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK	11:30:00 AM	69750						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK	1:30:00 PM	69751						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK	3:30:00 PM	69752						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK.fx	9:30:00 AM	69753						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK.fx	11:30:00 AM	69754						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK.fx	1:30:00 PM	69755						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDCZK.fx	3:30:00 PM	69756						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK	9:30:00 AM	69757						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK	11:30:00 AM	69758						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK	1:30:00 PM	69759						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK	3:30:00 PM	69760						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK.fx	9:30:00 AM	69761						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK.fx	11:30:00 AM	69762						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK.fx	1:30:00 PM	69763						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDDKK.fx	3:30:00 PM	69764						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD	9:30:00 AM	69765						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD	11:30:00 AM	69766						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD	1:30:00 PM	69767						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD	3:30:00 PM	69768						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD.fx	9:30:00 AM	69769						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD.fx	11:30:00 AM	69770						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD.fx	1:30:00 PM	69771						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHKD.fx	3:30:00 PM	69772						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF	9:30:00 AM	69773						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF	11:30:00 AM	69774						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF	1:30:00 PM	69775						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF	3:30:00 PM	69776						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF.fx	9:30:00 AM	69777						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF.fx	11:30:00 AM	69778						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDHUF.fx	1:30:00 PM	69779						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	USDHUF.fx	3:30:00 PM	69780						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDINR	9:30:00 AM	69781						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDINR	11:30:00 AM	69782						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDINR	1:30:00 PM	69783						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDINR	3:30:00 PM	69784						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY	9:30:00 AM	69785						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY	11:30:00 AM	69786						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY	1:30:00 PM	69787						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY	3:30:00 PM	69788						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY.fx	9:30:00 AM	69789						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY.fx	11:30:00 AM	69790						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY.fx	1:30:00 PM	69791						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDJPY.fx	3:30:00 PM	69792						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDMXN	9:30:00 AM	69793						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDMXN	11:30:00 AM	69794						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDMXN	1:30:00 PM	69795						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDMXN	3:30:00 PM	69796						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JSDMXN.fx	9:30:00 AM	69797						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JSDMXN.fx	11:30:00 AM	69798						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JSDMXN.fx	1:30:00 PM	69799						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	JSDMXN.fx	3:30:00 PM	69800						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK	9:30:00 AM	69801						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK	11:30:00 AM	69802						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK	1:30:00 PM	69803						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK	3:30:00 PM	69804						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK.fx	9:30:00 AM	69805						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK.fx	11:30:00 AM	69806						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK.fx	1:30:00 PM	69807						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDNOK.fx	3:30:00 PM	69808						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN	9:30:00 AM	69809						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN	11:30:00 AM	69810						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN	1:30:00 PM	69811						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN	3:30:00 PM	69812						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN.fx	9:30:00 AM	69813						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	USDPLN.fx	11:30:00 AM	69814						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN.fx	1:30:00 PM	69815						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDPLN.fx	3:30:00 PM	69816						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDRUB	9:30:00 AM	69817						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDRUB	11:30:00 AM	69818						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDRUB	1:30:00 PM	69819						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDRUB	3:30:00 PM	69820						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK	9:30:00 AM	69821						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK	11:30:00 AM	69822						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK	1:30:00 PM	69823						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK	3:30:00 PM	69824						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK.fx	9:30:00 AM	69825						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK.fx	11:30:00 AM	69826						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK.fx	1:30:00 PM	69827						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSEK.fx	3:30:00 PM	69828						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD	9:30:00 AM	69829						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD	11:30:00 AM	69830						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD	1:30:00 PM	69831						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD	3:30:00 PM	69832						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD.fx	9:30:00 AM	69833						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD.fx	11:30:00 AM	69834						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD.fx	1:30:00 PM	69835						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDSGD.fx	3:30:00 PM	69836						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR	9:30:00 AM	69837						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR	11:30:00 AM	69838						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR	1:30:00 PM	69839						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR	3:30:00 PM	69840						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR.fx	9:30:00 AM	69841						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR.fx	11:30:00 AM	69842						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR.fx	1:30:00 PM	69843						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	USDZAR.fx	3:30:00 PM	69844						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	XAUUSD	9:30:00 AM	69845						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	XAUUSD	11:30:00 AM	69846						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	XAUUSD	1:30:00 PM	69847						Continuous Quote	N/A	ELECTRONIC	N/A

11/28/2019	XAUUSD	3:30:00 PM	69848						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY	9:30:00 AM	69849						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY	11:30:00 AM	69850						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY	1:30:00 PM	69851						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY	3:30:00 PM	69852						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY.fx	9:30:00 AM	69853						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY.fx	11:30:00 AM	69854						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY.fx	1:30:00 PM	69855						Continuous Quote	N/A	ELECTRONIC	N/A
11/28/2019	ZARJPY.fx	3:30:00 PM	69856						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AA	9:30:00 AM	69857						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AA	11:30:00 AM	69858						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AA	1:30:00 PM	69859						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AA	3:30:00 PM	69860						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AABA	9:30:00 AM	69861						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AABA	11:30:00 AM	69862						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AABA	1:30:00 PM	69863						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AABA	3:30:00 PM	69864						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAL	9:30:00 AM	69865						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAL	11:30:00 AM	69866						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAL	1:30:00 PM	69867						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAL	3:30:00 PM	69868						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAPL	9:30:00 AM	69869						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAPL	11:30:00 AM	69870						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAPL	1:30:00 PM	69871						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AAPL	3:30:00 PM	69872						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#ADBE	9:30:00 AM	69873						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#ADBE	11:30:00 AM	69874						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#ADBE	1:30:00 PM	69875						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#ADBE	3:30:00 PM	69876						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AIG	9:30:00 AM	69877						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AIG	11:30:00 AM	69878						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AIG	1:30:00 PM	69879						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AIG	3:30:00 PM	69880						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AMD	9:30:00 AM	69881						Continuous Quote	N/A	ELECTRONIC	N/A

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11/29/2019	#AMZN	11:30:00 AM	69886						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#AMZN	3:30:00 PM	69888						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AXP	9:30:00 AM	69889						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#AXP	11:30:00 AM	69890						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BA	9:30:00 AM	69893						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BA	11:30:00 AM	69894						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BA	3:30:00 PM	69896						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BABA	9:30:00 AM	69897						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BABA	3:30:00 PM	69900						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BAC	3:30:00 PM	69904						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BARC	9:30:00 AM	69905						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BARC	11:30:00 AM	69906						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BARC	1:30:00 PM	69907						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BARC	3:30:00 PM	69908						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BHP	1:30:00 PM	69911						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BHP	3:30:00 PM	69912						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BIDU	9:30:00 AM	69913						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BIDU	11:30:00 AM	69914						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BIDU	1:30:00 PM	69915						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	#BIDU	3:30:00 PM	69916						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#Bitcoin	11:30:00 AM	69918						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BK	3:30:00 PM	69924						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BLT	9:30:00 AM	69925						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BLT	1:30:00 PM	69927						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#BLT	3:30:00 PM	69928						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#BTA	1:30:00 PM	69935						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#C	9:30:00 AM	69937						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#C	11:30:00 AM	69938						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#CL.f	11:30:00 AM	69950						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#CL.f	3:30:00 PM	69952						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#CMCSA	1:30:00 PM	69955						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CMCSA	3:30:00 PM	69956						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CSCO	9:30:00 AM	69957						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CSCO	11:30:00 AM	69958						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#CSCO	3:30:00 PM	69960						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CVX	9:30:00 AM	69961						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CVX	11:30:00 AM	69962						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CVX	1:30:00 PM	69963						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#CVX	3:30:00 PM	69964						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#DD	9:30:00 AM	69965						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#DD	3:30:00 PM	69968						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#DIS	9:30:00 AM	69969						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#DWDP	9:30:00 AM	69973						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#DWDP	3:30:00 PM	69976						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#EBAY	11:30:00 AM	69978						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#EBAY	1:30:00 PM	69979						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#EBAY	3:30:00 PM	69980						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#Ethereum	9:30:00 AM	69981						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#Ethereum	11:30:00 AM	69982						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#Ethereum	1:30:00 PM	69983						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	#Ethereum	3:30:00 PM	69984						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#SBUX	11:30:00 AM	70210						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	#SBUX	3:30:00 PM	70212						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#SNE	9:30:00 AM	70213						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#SNE	11:30:00 AM	70214						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	#SNE	1:30:00 PM	70215						Continuous Quote	N/A	ELECTRONIC	N/A
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11/29/2019	AUDZAR	11:30:00 AM	70390						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	AUDZAR	1:30:00 PM	70391						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	AUDZAR	3:30:00 PM	70392						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	AUS200.i	9:30:00 AM	70393						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	AUS200.i	11:30:00 AM	70394						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	AUS200.i	1:30:00 PM	70395						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	AUS200.i	3:30:00 PM	70396						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	BCHUSD	9:30:00 AM	70397						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	BCHUSD	11:30:00 AM	70398						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	BCHUSD	1:30:00 PM	70399						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	BCHUSD	3:30:00 PM	70400						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF	9:30:00 AM	70401						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF	11:30:00 AM	70402						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF	1:30:00 PM	70403						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF	3:30:00 PM	70404						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF.fx	9:30:00 AM	70405						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF.fx	11:30:00 AM	70406						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF.fx	1:30:00 PM	70407						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCHF.fx	3:30:00 PM	70408						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCZK	9:30:00 AM	70409						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCZK	11:30:00 AM	70410						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCZK	1:30:00 PM	70411						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADCZK	3:30:00 PM	70412						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADDDKK	9:30:00 AM	70413						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADDDKK	11:30:00 AM	70414						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADDDKK	1:30:00 PM	70415						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADDDKK	3:30:00 PM	70416						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHKD	9:30:00 AM	70417						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHKD	11:30:00 AM	70418						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHKD	1:30:00 PM	70419						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHKD	3:30:00 PM	70420						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHUF	9:30:00 AM	70421						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHUF	11:30:00 AM	70422						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHUF	1:30:00 PM	70423						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADHUF	3:30:00 PM	70424						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY	9:30:00 AM	70425						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	CADJPY	11:30:00 AM	70426						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY	1:30:00 PM	70427						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY	3:30:00 PM	70428						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY.fx	9:30:00 AM	70429						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY.fx	11:30:00 AM	70430						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY.fx	1:30:00 PM	70431						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADJPY.fx	3:30:00 PM	70432						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADMXN	9:30:00 AM	70433						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADMXN	11:30:00 AM	70434						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADMXN	1:30:00 PM	70435						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADMXN	3:30:00 PM	70436						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADNOK	9:30:00 AM	70437						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADNOK	11:30:00 AM	70438						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADNOK	1:30:00 PM	70439						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADNOK	3:30:00 PM	70440						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADPLN	9:30:00 AM	70441						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADPLN	11:30:00 AM	70442						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADPLN	1:30:00 PM	70443						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADPLN	3:30:00 PM	70444						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSEK	9:30:00 AM	70445						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSEK	11:30:00 AM	70446						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSEK	1:30:00 PM	70447						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSEK	3:30:00 PM	70448						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSGD	9:30:00 AM	70449						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSGD	11:30:00 AM	70450						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSGD	1:30:00 PM	70451						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADSGD	3:30:00 PM	70452						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADZAR	9:30:00 AM	70453						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADZAR	11:30:00 AM	70454						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADZAR	1:30:00 PM	70455						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CADZAR	3:30:00 PM	70456						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFCZK	9:30:00 AM	70457						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFCZK	11:30:00 AM	70458						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFCZK	1:30:00 PM	70459						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	CHFCZK	3:30:00 PM	70460						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK	9:30:00 AM	70461						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK	11:30:00 AM	70462						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK	1:30:00 PM	70463						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK	3:30:00 PM	70464						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK.fx	9:30:00 AM	70465						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK.fx	11:30:00 AM	70466						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK.fx	1:30:00 PM	70467						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFDKK.fx	3:30:00 PM	70468						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHKD	9:30:00 AM	70469						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHKD	11:30:00 AM	70470						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHKD	1:30:00 PM	70471						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHKD	3:30:00 PM	70472						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHUF	9:30:00 AM	70473						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHUF	11:30:00 AM	70474						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHUF	1:30:00 PM	70475						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFHUF	3:30:00 PM	70476						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY	9:30:00 AM	70477						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY	11:30:00 AM	70478						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY	1:30:00 PM	70479						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY	3:30:00 PM	70480						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY.fx	9:30:00 AM	70481						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY.fx	11:30:00 AM	70482						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY.fx	1:30:00 PM	70483						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFJPY.fx	3:30:00 PM	70484						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFMXN	9:30:00 AM	70485						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFMXN	11:30:00 AM	70486						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFMXN	1:30:00 PM	70487						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFMXN	3:30:00 PM	70488						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK	9:30:00 AM	70489						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK	11:30:00 AM	70490						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK	1:30:00 PM	70491						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK	3:30:00 PM	70492						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK.fx	9:30:00 AM	70493						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	CHFNOK.fx	11:30:00 AM	70494						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK.fx	1:30:00 PM	70495						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFNOK.fx	3:30:00 PM	70496						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN	9:30:00 AM	70497						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN	11:30:00 AM	70498						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN	1:30:00 PM	70499						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN	3:30:00 PM	70500						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN.fx	9:30:00 AM	70501						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN.fx	11:30:00 AM	70502						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN.fx	1:30:00 PM	70503						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFPLN.fx	3:30:00 PM	70504						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSEK	9:30:00 AM	70505						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSEK	11:30:00 AM	70506						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSEK	1:30:00 PM	70507						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSEK	3:30:00 PM	70508						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD	9:30:00 AM	70509						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD	11:30:00 AM	70510						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD	1:30:00 PM	70511						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD	3:30:00 PM	70512						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD.fx	9:30:00 AM	70513						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD.fx	11:30:00 AM	70514						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD.fx	1:30:00 PM	70515						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFSGD.fx	3:30:00 PM	70516						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFZAR	9:30:00 AM	70517						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFZAR	11:30:00 AM	70518						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFZAR	1:30:00 PM	70519						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CHFZAR	3:30:00 PM	70520						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CZKJPY	9:30:00 AM	70521						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CZKJPY	11:30:00 AM	70522						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CZKJPY	1:30:00 PM	70523						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	CZKJPY	3:30:00 PM	70524						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DAX30.i	9:30:00 AM	70525						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DAX30.i	11:30:00 AM	70526						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DAX30.i	1:30:00 PM	70527						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	DAX30.i	3:30:00 PM	70528						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DJ30.i	9:30:00 AM	70529						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DJ30.i	11:30:00 AM	70530						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DJ30.i	1:30:00 PM	70531						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DJ30.i	3:30:00 PM	70532						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DKKJPY	9:30:00 AM	70533						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DKKJPY	11:30:00 AM	70534						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DKKJPY	1:30:00 PM	70535						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	DKKJPY	3:30:00 PM	70536						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD	9:30:00 AM	70537						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD	11:30:00 AM	70538						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD	1:30:00 PM	70539						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD	3:30:00 PM	70540						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD.fx	9:30:00 AM	70541						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD.fx	11:30:00 AM	70542						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD.fx	1:30:00 PM	70543						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURAUD.fx	3:30:00 PM	70544						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD	9:30:00 AM	70545						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD	11:30:00 AM	70546						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD	1:30:00 PM	70547						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD	3:30:00 PM	70548						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD.fx	9:30:00 AM	70549						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD.fx	11:30:00 AM	70550						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD.fx	1:30:00 PM	70551						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCAD.fx	3:30:00 PM	70552						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF	9:30:00 AM	70553						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF	11:30:00 AM	70554						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF	1:30:00 PM	70555						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF	3:30:00 PM	70556						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF.fx	9:30:00 AM	70557						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF.fx	11:30:00 AM	70558						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF.fx	1:30:00 PM	70559						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCHF.fx	3:30:00 PM	70560						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCZK	9:30:00 AM	70561						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	EURCZK	11:30:00 AM	70562						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCZK	1:30:00 PM	70563						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURCZK	3:30:00 PM	70564						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURDKK	9:30:00 AM	70565						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURDKK	11:30:00 AM	70566						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURDKK	1:30:00 PM	70567						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURDKK	3:30:00 PM	70568						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP	9:30:00 AM	70569						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP	11:30:00 AM	70570						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP	1:30:00 PM	70571						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP	3:30:00 PM	70572						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP.fx	9:30:00 AM	70573						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP.fx	11:30:00 AM	70574						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP.fx	1:30:00 PM	70575						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURGBP.fx	3:30:00 PM	70576						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD	9:30:00 AM	70577						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD	11:30:00 AM	70578						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD	1:30:00 PM	70579						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD	3:30:00 PM	70580						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD.fx	9:30:00 AM	70581						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD.fx	11:30:00 AM	70582						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD.fx	1:30:00 PM	70583						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHKD.fx	3:30:00 PM	70584						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF	9:30:00 AM	70585						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF	11:30:00 AM	70586						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF	1:30:00 PM	70587						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF	3:30:00 PM	70588						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF.fx	9:30:00 AM	70589						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF.fx	11:30:00 AM	70590						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF.fx	1:30:00 PM	70591						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURHUF.fx	3:30:00 PM	70592						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY	9:30:00 AM	70593						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY	11:30:00 AM	70594						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY	1:30:00 PM	70595						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	EURJPY	3:30:00 PM	70596						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY.fx	9:30:00 AM	70597						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY.fx	11:30:00 AM	70598						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY.fx	1:30:00 PM	70599						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURJPY.fx	3:30:00 PM	70600						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN	9:30:00 AM	70601						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN	11:30:00 AM	70602						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN	1:30:00 PM	70603						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN	3:30:00 PM	70604						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN.fx	9:30:00 AM	70605						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN.fx	11:30:00 AM	70606						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN.fx	1:30:00 PM	70607						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURMXN.fx	3:30:00 PM	70608						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK	9:30:00 AM	70609						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK	11:30:00 AM	70610						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK	1:30:00 PM	70611						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK	3:30:00 PM	70612						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK.fx	9:30:00 AM	70613						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK.fx	11:30:00 AM	70614						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK.fx	1:30:00 PM	70615						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNOK.fx	3:30:00 PM	70616						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD	9:30:00 AM	70617						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD	11:30:00 AM	70618						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD	1:30:00 PM	70619						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD	3:30:00 PM	70620						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD.fx	9:30:00 AM	70621						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD.fx	11:30:00 AM	70622						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD.fx	1:30:00 PM	70623						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURNZD.fx	3:30:00 PM	70624						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN	9:30:00 AM	70625						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN	11:30:00 AM	70626						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN	1:30:00 PM	70627						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN	3:30:00 PM	70628						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN.fx	9:30:00 AM	70629						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	EURPLN.fx	11:30:00 AM	70630						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN.fx	1:30:00 PM	70631						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURPLN.fx	3:30:00 PM	70632						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURRUB	9:30:00 AM	70633						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURRUB	11:30:00 AM	70634						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURRUB	1:30:00 PM	70635						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURRUB	3:30:00 PM	70636						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK	9:30:00 AM	70637						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK	11:30:00 AM	70638						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK	1:30:00 PM	70639						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK	3:30:00 PM	70640						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK.fx	9:30:00 AM	70641						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK.fx	11:30:00 AM	70642						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK.fx	1:30:00 PM	70643						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSEK.fx	3:30:00 PM	70644						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD	9:30:00 AM	70645						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD	11:30:00 AM	70646						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD	1:30:00 PM	70647						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD	3:30:00 PM	70648						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD.fx	9:30:00 AM	70649						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD.fx	11:30:00 AM	70650						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD.fx	1:30:00 PM	70651						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURSGD.fx	3:30:00 PM	70652						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD	9:30:00 AM	70653						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD	11:30:00 AM	70654						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD	1:30:00 PM	70655						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD	3:30:00 PM	70656						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD.fx	9:30:00 AM	70657						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD.fx	11:30:00 AM	70658						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD.fx	1:30:00 PM	70659						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURUSD.fx	3:30:00 PM	70660						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR	9:30:00 AM	70661						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR	11:30:00 AM	70662						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR	1:30:00 PM	70663						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	EURZAR	3:30:00 PM	70664						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR.fx	9:30:00 AM	70665						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR.fx	11:30:00 AM	70666						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR.fx	1:30:00 PM	70667						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	EURZAR.fx	3:30:00 PM	70668						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD	9:30:00 AM	70669						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD	11:30:00 AM	70670						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD	1:30:00 PM	70671						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD	3:30:00 PM	70672						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD.fx	9:30:00 AM	70673						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD.fx	11:30:00 AM	70674						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD.fx	1:30:00 PM	70675						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPAUD.fx	3:30:00 PM	70676						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD	9:30:00 AM	70677						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD	11:30:00 AM	70678						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD	1:30:00 PM	70679						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD	3:30:00 PM	70680						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD.fx	9:30:00 AM	70681						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD.fx	11:30:00 AM	70682						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD.fx	1:30:00 PM	70683						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCAD.fx	3:30:00 PM	70684						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF	9:30:00 AM	70685						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF	11:30:00 AM	70686						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF	1:30:00 PM	70687						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF	3:30:00 PM	70688						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF.fx	9:30:00 AM	70689						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF.fx	11:30:00 AM	70690						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF.fx	1:30:00 PM	70691						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCHF.fx	3:30:00 PM	70692						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCZK	9:30:00 AM	70693						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCZK	11:30:00 AM	70694						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCZK	1:30:00 PM	70695						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPCZK	3:30:00 PM	70696						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK	9:30:00 AM	70697						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	GBPDKK	11:30:00 AM	70698						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK	1:30:00 PM	70699						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK	3:30:00 PM	70700						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK.fx	9:30:00 AM	70701						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK.fx	11:30:00 AM	70702						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK.fx	1:30:00 PM	70703						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPDKK.fx	3:30:00 PM	70704						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHKD	9:30:00 AM	70705						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHKD	11:30:00 AM	70706						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHKD	1:30:00 PM	70707						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHKD	3:30:00 PM	70708						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHUF	9:30:00 AM	70709						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHUF	11:30:00 AM	70710						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHUF	1:30:00 PM	70711						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPHUF	3:30:00 PM	70712						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY	9:30:00 AM	70713						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY	11:30:00 AM	70714						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY	1:30:00 PM	70715						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY	3:30:00 PM	70716						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY.fx	9:30:00 AM	70717						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY.fx	11:30:00 AM	70718						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY.fx	1:30:00 PM	70719						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPJPY.fx	3:30:00 PM	70720						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPMXN	9:30:00 AM	70721						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPMXN	11:30:00 AM	70722						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPMXN	1:30:00 PM	70723						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPMXN	3:30:00 PM	70724						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK	9:30:00 AM	70725						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK	11:30:00 AM	70726						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK	1:30:00 PM	70727						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK	3:30:00 PM	70728						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK.fx	9:30:00 AM	70729						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK.fx	11:30:00 AM	70730						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNOK.fx	1:30:00 PM	70731						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	GBPNOK.fx	3:30:00 PM	70732						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD	9:30:00 AM	70733						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD	11:30:00 AM	70734						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD	1:30:00 PM	70735						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD	3:30:00 PM	70736						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD.fx	9:30:00 AM	70737						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD.fx	11:30:00 AM	70738						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD.fx	1:30:00 PM	70739						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPNZD.fx	3:30:00 PM	70740						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN	9:30:00 AM	70741						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN	11:30:00 AM	70742						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN	1:30:00 PM	70743						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN	3:30:00 PM	70744						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN.fx	9:30:00 AM	70745						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN.fx	11:30:00 AM	70746						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN.fx	1:30:00 PM	70747						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPPLN.fx	3:30:00 PM	70748						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK	9:30:00 AM	70749						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK	11:30:00 AM	70750						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK	1:30:00 PM	70751						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK	3:30:00 PM	70752						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK.fx	9:30:00 AM	70753						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK.fx	11:30:00 AM	70754						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK.fx	1:30:00 PM	70755						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSEK.fx	3:30:00 PM	70756						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD	9:30:00 AM	70757						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD	11:30:00 AM	70758						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD	1:30:00 PM	70759						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD	3:30:00 PM	70760						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD.fx	9:30:00 AM	70761						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD.fx	11:30:00 AM	70762						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD.fx	1:30:00 PM	70763						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPSGD.fx	3:30:00 PM	70764						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD	9:30:00 AM	70765						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	GBPUSD	11:30:00 AM	70766						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD	1:30:00 PM	70767						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD	3:30:00 PM	70768						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD.fx	9:30:00 AM	70769						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD.fx	11:30:00 AM	70770						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD.fx	1:30:00 PM	70771						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPUSD.fx	3:30:00 PM	70772						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR	9:30:00 AM	70773						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR	11:30:00 AM	70774						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR	1:30:00 PM	70775						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR	3:30:00 PM	70776						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR.fx	9:30:00 AM	70777						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR.fx	11:30:00 AM	70778						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR.fx	1:30:00 PM	70779						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GBPZAR.fx	3:30:00 PM	70780						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GOLD	9:30:00 AM	70781						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GOLD	11:30:00 AM	70782						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GOLD	1:30:00 PM	70783						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	GOLD	3:30:00 PM	70784						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY	9:30:00 AM	70785						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY	11:30:00 AM	70786						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY	1:30:00 PM	70787						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY	3:30:00 PM	70788						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY.fx	9:30:00 AM	70789						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY.fx	11:30:00 AM	70790						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY.fx	1:30:00 PM	70791						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HKDJPY.fx	3:30:00 PM	70792						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HUFJPY	9:30:00 AM	70793						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HUFJPY	11:30:00 AM	70794						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HUFJPY	1:30:00 PM	70795						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	HUFJPY	3:30:00 PM	70796						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JP225.i	9:30:00 AM	70797						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JP225.i	11:30:00 AM	70798						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JP225.i	1:30:00 PM	70799						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	JP225.i	3:30:00 PM	70800						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	MXNJPY	9:30:00 AM	70801						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	MXNJPY	11:30:00 AM	70802						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	MXNJPY	1:30:00 PM	70803						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	MXNJPY	3:30:00 PM	70804						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NASDAQ.i	9:30:00 AM	70805						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NASDAQ.i	11:30:00 AM	70806						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NASDAQ.i	1:30:00 PM	70807						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NASDAQ.i	3:30:00 PM	70808						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY	9:30:00 AM	70809						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY	11:30:00 AM	70810						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY	1:30:00 PM	70811						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY	3:30:00 PM	70812						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY.fx	9:30:00 AM	70813						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY.fx	11:30:00 AM	70814						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY.fx	1:30:00 PM	70815						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NOKJPY.fx	3:30:00 PM	70816						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD	9:30:00 AM	70817						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD	11:30:00 AM	70818						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD	1:30:00 PM	70819						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD	3:30:00 PM	70820						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD.fx	9:30:00 AM	70821						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD.fx	11:30:00 AM	70822						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD.fx	1:30:00 PM	70823						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCAD.fx	3:30:00 PM	70824						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF	9:30:00 AM	70825						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF	11:30:00 AM	70826						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF	1:30:00 PM	70827						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF	3:30:00 PM	70828						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF.fx	9:30:00 AM	70829						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF.fx	11:30:00 AM	70830						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF.fx	1:30:00 PM	70831						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCHF.fx	3:30:00 PM	70832						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCZK	9:30:00 AM	70833						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	NZDCZK	11:30:00 AM	70834						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCZK	1:30:00 PM	70835						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDCZK	3:30:00 PM	70836						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDDKK	9:30:00 AM	70837						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDDKK	11:30:00 AM	70838						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDDKK	1:30:00 PM	70839						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDDKK	3:30:00 PM	70840						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHKD	9:30:00 AM	70841						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHKD	11:30:00 AM	70842						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHKD	1:30:00 PM	70843						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHKD	3:30:00 PM	70844						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHUF	9:30:00 AM	70845						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHUF	11:30:00 AM	70846						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHUF	1:30:00 PM	70847						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDHUF	3:30:00 PM	70848						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY	9:30:00 AM	70849						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY	11:30:00 AM	70850						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY	1:30:00 PM	70851						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY	3:30:00 PM	70852						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY.fx	9:30:00 AM	70853						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY.fx	11:30:00 AM	70854						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY.fx	1:30:00 PM	70855						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDJPY.fx	3:30:00 PM	70856						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDMXN	9:30:00 AM	70857						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDMXN	11:30:00 AM	70858						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDMXN	1:30:00 PM	70859						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDMXN	3:30:00 PM	70860						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDNOK	9:30:00 AM	70861						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDNOK	11:30:00 AM	70862						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDNOK	1:30:00 PM	70863						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDNOK	3:30:00 PM	70864						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDPLN	9:30:00 AM	70865						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDPLN	11:30:00 AM	70866						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDPLN	1:30:00 PM	70867						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	NZDPLN	3:30:00 PM	70868						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSEK	9:30:00 AM	70869						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSEK	11:30:00 AM	70870						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSEK	1:30:00 PM	70871						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSEK	3:30:00 PM	70872						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD	9:30:00 AM	70873						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD	11:30:00 AM	70874						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD	1:30:00 PM	70875						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD	3:30:00 PM	70876						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD.fx	9:30:00 AM	70877						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD.fx	11:30:00 AM	70878						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD.fx	1:30:00 PM	70879						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDSGD.fx	3:30:00 PM	70880						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD	9:30:00 AM	70881						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD	11:30:00 AM	70882						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD	1:30:00 PM	70883						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD	3:30:00 PM	70884						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD.fx	9:30:00 AM	70885						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD.fx	11:30:00 AM	70886						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD.fx	1:30:00 PM	70887						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDUSD.fx	3:30:00 PM	70888						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDZAR	9:30:00 AM	70889						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDZAR	11:30:00 AM	70890						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDZAR	1:30:00 PM	70891						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	NZDZAR	3:30:00 PM	70892						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY	9:30:00 AM	70893						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY	11:30:00 AM	70894						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY	1:30:00 PM	70895						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY	3:30:00 PM	70896						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY.fx	9:30:00 AM	70897						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY.fx	11:30:00 AM	70898						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY.fx	1:30:00 PM	70899						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SEKJPY.fx	3:30:00 PM	70900						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SGDJPY	9:30:00 AM	70901						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	SGDJPY	11:30:00 AM	70902						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SGDJPY	1:30:00 PM	70903						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SGDJPY	3:30:00 PM	70904						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SILVER	9:30:00 AM	70905						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SILVER	11:30:00 AM	70906						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SILVER	1:30:00 PM	70907						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SILVER	3:30:00 PM	70908						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SPX500.i	9:30:00 AM	70909						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SPX500.i	11:30:00 AM	70910						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SPX500.i	1:30:00 PM	70911						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	SPX500.i	3:30:00 PM	70912						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	UK100.i	9:30:00 AM	70913						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	UK100.i	11:30:00 AM	70914						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	UK100.i	1:30:00 PM	70915						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	UK100.i	3:30:00 PM	70916						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD	9:30:00 AM	70917						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD	11:30:00 AM	70918						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD	1:30:00 PM	70919						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD	3:30:00 PM	70920						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD.fx	9:30:00 AM	70921						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD.fx	11:30:00 AM	70922						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD.fx	1:30:00 PM	70923						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCAD.fx	3:30:00 PM	70924						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF	9:30:00 AM	70925						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF	11:30:00 AM	70926						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF	1:30:00 PM	70927						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF	3:30:00 PM	70928						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF.fx	9:30:00 AM	70929						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF.fx	11:30:00 AM	70930						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF.fx	1:30:00 PM	70931						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCHF.fx	3:30:00 PM	70932						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK	9:30:00 AM	70933						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK	11:30:00 AM	70934						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK	1:30:00 PM	70935						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	USDCZK	3:30:00 PM	70936						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK.fx	9:30:00 AM	70937						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK.fx	11:30:00 AM	70938						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK.fx	1:30:00 PM	70939						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDCZK.fx	3:30:00 PM	70940						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK	9:30:00 AM	70941						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK	11:30:00 AM	70942						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK	1:30:00 PM	70943						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK	3:30:00 PM	70944						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK.fx	9:30:00 AM	70945						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK.fx	11:30:00 AM	70946						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK.fx	1:30:00 PM	70947						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDDKK.fx	3:30:00 PM	70948						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD	9:30:00 AM	70949						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD	11:30:00 AM	70950						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD	1:30:00 PM	70951						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD	3:30:00 PM	70952						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD.fx	9:30:00 AM	70953						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD.fx	11:30:00 AM	70954						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD.fx	1:30:00 PM	70955						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHKD.fx	3:30:00 PM	70956						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF	9:30:00 AM	70957						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF	11:30:00 AM	70958						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF	1:30:00 PM	70959						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF	3:30:00 PM	70960						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF.fx	9:30:00 AM	70961						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF.fx	11:30:00 AM	70962						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF.fx	1:30:00 PM	70963						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDHUF.fx	3:30:00 PM	70964						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDINR	9:30:00 AM	70965						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDINR	11:30:00 AM	70966						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDINR	1:30:00 PM	70967						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDINR	3:30:00 PM	70968						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY	9:30:00 AM	70969						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	USDJPY	11:30:00 AM	70970						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY	1:30:00 PM	70971						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY	3:30:00 PM	70972						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY.fx	9:30:00 AM	70973						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY.fx	11:30:00 AM	70974						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY.fx	1:30:00 PM	70975						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDJPY.fx	3:30:00 PM	70976						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDMXN	9:30:00 AM	70977						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDMXN	11:30:00 AM	70978						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDMXN	1:30:00 PM	70979						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDMXN	3:30:00 PM	70980						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JSDMXN.fx	9:30:00 AM	70981						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JSDMXN.fx	11:30:00 AM	70982						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JSDMXN.fx	1:30:00 PM	70983						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	JSDMXN.fx	3:30:00 PM	70984						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK	9:30:00 AM	70985						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK	11:30:00 AM	70986						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK	1:30:00 PM	70987						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK	3:30:00 PM	70988						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK.fx	9:30:00 AM	70989						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK.fx	11:30:00 AM	70990						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK.fx	1:30:00 PM	70991						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDNOK.fx	3:30:00 PM	70992						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN	9:30:00 AM	70993						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN	11:30:00 AM	70994						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN	1:30:00 PM	70995						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN	3:30:00 PM	70996						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN.fx	9:30:00 AM	70997						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN.fx	11:30:00 AM	70998						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN.fx	1:30:00 PM	70999						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDPLN.fx	3:30:00 PM	71000						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDRUB	9:30:00 AM	71001						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDRUB	11:30:00 AM	71002						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDRUB	1:30:00 PM	71003						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	USDRUB	3:30:00 PM	71004						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK	9:30:00 AM	71005						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK	11:30:00 AM	71006						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK	1:30:00 PM	71007						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK	3:30:00 PM	71008						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK.fx	9:30:00 AM	71009						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK.fx	11:30:00 AM	71010						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK.fx	1:30:00 PM	71011						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSEK.fx	3:30:00 PM	71012						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD	9:30:00 AM	71013						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD	11:30:00 AM	71014						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD	1:30:00 PM	71015						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD	3:30:00 PM	71016						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD.fx	9:30:00 AM	71017						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD.fx	11:30:00 AM	71018						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD.fx	1:30:00 PM	71019						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDSGD.fx	3:30:00 PM	71020						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR	9:30:00 AM	71021						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR	11:30:00 AM	71022						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR	1:30:00 PM	71023						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR	3:30:00 PM	71024						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR.fx	9:30:00 AM	71025						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR.fx	11:30:00 AM	71026						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR.fx	1:30:00 PM	71027						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	USDZAR.fx	3:30:00 PM	71028						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	XAUUSD	9:30:00 AM	71029						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	XAUUSD	11:30:00 AM	71030						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	XAUUSD	1:30:00 PM	71031						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	XAUUSD	3:30:00 PM	71032						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY	9:30:00 AM	71033						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY	11:30:00 AM	71034						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY	1:30:00 PM	71035						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY	3:30:00 PM	71036						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY.fx	9:30:00 AM	71037						Continuous Quote	N/A	ELECTRONIC	N/A

11/29/2019	ZARJPY.fx	11:30:00 AM	71038						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY.fx	1:30:00 PM	71039						Continuous Quote	N/A	ELECTRONIC	N/A
11/29/2019	ZARJPY.fx	3:30:00 PM	71040						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AA	9:30:00 AM	71041						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AA	11:30:00 AM	71042						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AA	1:30:00 PM	71043						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AA	3:30:00 PM	71044						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AABA	9:30:00 AM	71045						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AABA	11:30:00 AM	71046						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AABA	1:30:00 PM	71047						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AABA	3:30:00 PM	71048						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAL	9:30:00 AM	71049						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAL	11:30:00 AM	71050						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAL	1:30:00 PM	71051						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAL	3:30:00 PM	71052						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAPL	9:30:00 AM	71053						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAPL	11:30:00 AM	71054						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAPL	1:30:00 PM	71055						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AAPL	3:30:00 PM	71056						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#ADBE	9:30:00 AM	71057						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#ADBE	11:30:00 AM	71058						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#ADBE	1:30:00 PM	71059						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#ADBE	3:30:00 PM	71060						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AIG	9:30:00 AM	71061						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AIG	11:30:00 AM	71062						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AIG	1:30:00 PM	71063						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AIG	3:30:00 PM	71064						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMD	9:30:00 AM	71065						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMD	11:30:00 AM	71066						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMD	1:30:00 PM	71067						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMD	3:30:00 PM	71068						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMZN	9:30:00 AM	71069						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMZN	11:30:00 AM	71070						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AMZN	1:30:00 PM	71071						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	#AMZN	3:30:00 PM	71072						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AXP	9:30:00 AM	71073						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AXP	11:30:00 AM	71074						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AXP	1:30:00 PM	71075						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#AXP	3:30:00 PM	71076						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BA	9:30:00 AM	71077						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BA	11:30:00 AM	71078						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BA	1:30:00 PM	71079						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BA	3:30:00 PM	71080						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BABA	9:30:00 AM	71081						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BABA	11:30:00 AM	71082						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BABA	1:30:00 PM	71083						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BABA	3:30:00 PM	71084						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BAC	9:30:00 AM	71085						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BAC	11:30:00 AM	71086						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BAC	1:30:00 PM	71087						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BAC	3:30:00 PM	71088						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BARC	9:30:00 AM	71089						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BARC	11:30:00 AM	71090						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BARC	1:30:00 PM	71091						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BARC	3:30:00 PM	71092						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BHP	9:30:00 AM	71093						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BHP	11:30:00 AM	71094						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BHP	1:30:00 PM	71095						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BHP	3:30:00 PM	71096						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BIDU	9:30:00 AM	71097						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BIDU	11:30:00 AM	71098						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BIDU	1:30:00 PM	71099						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BIDU	3:30:00 PM	71100						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Bitcoin	9:30:00 AM	71101						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Bitcoin	11:30:00 AM	71102						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Bitcoin	1:30:00 PM	71103						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Bitcoin	3:30:00 PM	71104						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BK	9:30:00 AM	71105						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	#BK	11:30:00 AM	71106						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BK	1:30:00 PM	71107						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BK	3:30:00 PM	71108						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BLT	9:30:00 AM	71109						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BLT	11:30:00 AM	71110						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BLT	1:30:00 PM	71111						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BLT	3:30:00 PM	71112						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BP	9:30:00 AM	71113						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BP	11:30:00 AM	71114						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BP	1:30:00 PM	71115						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BP	3:30:00 PM	71116						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BTA	9:30:00 AM	71117						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BTA	11:30:00 AM	71118						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BTA	1:30:00 PM	71119						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#BTA	3:30:00 PM	71120						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#C	9:30:00 AM	71121						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#C	11:30:00 AM	71122						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#C	1:30:00 PM	71123						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#C	3:30:00 PM	71124						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CAT	9:30:00 AM	71125						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#CAT	3:30:00 PM	71128						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CHL	9:30:00 AM	71129						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CHL	11:30:00 AM	71130						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CHL	1:30:00 PM	71131						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CHL	3:30:00 PM	71132						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CL.f	9:30:00 AM	71133						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#CL.f	3:30:00 PM	71136						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CMCSA	9:30:00 AM	71137						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CMCSA	11:30:00 AM	71138						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CMCSA	1:30:00 PM	71139						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	#CMCSA	3:30:00 PM	71140						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CSCO	9:30:00 AM	71141						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CSCO	11:30:00 AM	71142						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CSCO	1:30:00 PM	71143						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CSCO	3:30:00 PM	71144						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CVX	9:30:00 AM	71145						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CVX	11:30:00 AM	71146						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CVX	1:30:00 PM	71147						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#CVX	3:30:00 PM	71148						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#DD	9:30:00 AM	71149						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#DD	11:30:00 AM	71150						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#DD	3:30:00 PM	71152						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#DIS	11:30:00 AM	71154						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#DIS	3:30:00 PM	71156						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#DWDP	9:30:00 AM	71157						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#DWDP	11:30:00 AM	71158						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#DWDP	1:30:00 PM	71159						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	#EBAY	9:30:00 AM	71161						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#EBAY	11:30:00 AM	71162						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#EBAY	1:30:00 PM	71163						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#EBAY	3:30:00 PM	71164						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Ethereum	9:30:00 AM	71165						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Ethereum	11:30:00 AM	71166						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Ethereum	1:30:00 PM	71167						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#Ethereum	3:30:00 PM	71168						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#F	9:30:00 AM	71169						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#F	11:30:00 AM	71170						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#F	1:30:00 PM	71171						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#F	3:30:00 PM	71172						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#FB	9:30:00 AM	71173						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	#FB	11:30:00 AM	71174						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	#FB	1:30:00 PM	71175						Continuous Quote	N/A	ELECTRONIC	N/A
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11/30/2019	AUS200.i	3:30:00 PM	71580						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	BCHUSD	9:30:00 AM	71581						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	BCHUSD	11:30:00 AM	71582						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	BCHUSD	1:30:00 PM	71583						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	BCHUSD	3:30:00 PM	71584						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF	9:30:00 AM	71585						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF	11:30:00 AM	71586						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF	1:30:00 PM	71587						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF	3:30:00 PM	71588						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF.fx	9:30:00 AM	71589						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF.fx	11:30:00 AM	71590						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF.fx	1:30:00 PM	71591						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCHF.fx	3:30:00 PM	71592						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCZK	9:30:00 AM	71593						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCZK	11:30:00 AM	71594						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCZK	1:30:00 PM	71595						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADCZK	3:30:00 PM	71596						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADDDKK	9:30:00 AM	71597						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADDDKK	11:30:00 AM	71598						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADDDKK	1:30:00 PM	71599						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADDDKK	3:30:00 PM	71600						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHKD	9:30:00 AM	71601						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHKD	11:30:00 AM	71602						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHKD	1:30:00 PM	71603						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHKD	3:30:00 PM	71604						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHUF	9:30:00 AM	71605						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHUF	11:30:00 AM	71606						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHUF	1:30:00 PM	71607						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADHUF	3:30:00 PM	71608						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY	9:30:00 AM	71609						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY	11:30:00 AM	71610						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY	1:30:00 PM	71611						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY	3:30:00 PM	71612						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY.fx	9:30:00 AM	71613						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY.fx	11:30:00 AM	71614						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADJPY.fx	1:30:00 PM	71615						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	CADJPY.fx	3:30:00 PM	71616						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADMXN	9:30:00 AM	71617						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADMXN	11:30:00 AM	71618						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADMXN	1:30:00 PM	71619						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADMXN	3:30:00 PM	71620						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADNOK	9:30:00 AM	71621						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADNOK	11:30:00 AM	71622						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADNOK	1:30:00 PM	71623						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADNOK	3:30:00 PM	71624						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADPLN	9:30:00 AM	71625						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADPLN	11:30:00 AM	71626						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADPLN	1:30:00 PM	71627						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADPLN	3:30:00 PM	71628						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSEK	9:30:00 AM	71629						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSEK	11:30:00 AM	71630						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSEK	1:30:00 PM	71631						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSEK	3:30:00 PM	71632						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSGD	9:30:00 AM	71633						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSGD	11:30:00 AM	71634						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSGD	1:30:00 PM	71635						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADSGD	3:30:00 PM	71636						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADZAR	9:30:00 AM	71637						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADZAR	11:30:00 AM	71638						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADZAR	1:30:00 PM	71639						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CADZAR	3:30:00 PM	71640						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFCZK	9:30:00 AM	71641						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFCZK	11:30:00 AM	71642						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFCZK	1:30:00 PM	71643						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFCZK	3:30:00 PM	71644						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK	9:30:00 AM	71645						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK	11:30:00 AM	71646						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK	1:30:00 PM	71647						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK	3:30:00 PM	71648						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK.fx	9:30:00 AM	71649						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	CHFDKK.fx	11:30:00 AM	71650						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK.fx	1:30:00 PM	71651						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFDKK.fx	3:30:00 PM	71652						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHKD	9:30:00 AM	71653						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHKD	11:30:00 AM	71654						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHKD	1:30:00 PM	71655						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHKD	3:30:00 PM	71656						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHUF	9:30:00 AM	71657						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHUF	11:30:00 AM	71658						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHUF	1:30:00 PM	71659						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFHUF	3:30:00 PM	71660						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY	9:30:00 AM	71661						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY	11:30:00 AM	71662						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY	1:30:00 PM	71663						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY	3:30:00 PM	71664						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY.fx	9:30:00 AM	71665						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY.fx	11:30:00 AM	71666						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY.fx	1:30:00 PM	71667						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFJPY.fx	3:30:00 PM	71668						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFMXN	9:30:00 AM	71669						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFMXN	11:30:00 AM	71670						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFMXN	1:30:00 PM	71671						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFMXN	3:30:00 PM	71672						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK	9:30:00 AM	71673						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK	11:30:00 AM	71674						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK	1:30:00 PM	71675						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK	3:30:00 PM	71676						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK.fx	9:30:00 AM	71677						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK.fx	11:30:00 AM	71678						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK.fx	1:30:00 PM	71679						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFNOK.fx	3:30:00 PM	71680						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN	9:30:00 AM	71681						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN	11:30:00 AM	71682						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN	1:30:00 PM	71683						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	CHFPLN	3:30:00 PM	71684						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN.fx	9:30:00 AM	71685						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN.fx	11:30:00 AM	71686						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN.fx	1:30:00 PM	71687						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFPLN.fx	3:30:00 PM	71688						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSEK	9:30:00 AM	71689						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSEK	11:30:00 AM	71690						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSEK	1:30:00 PM	71691						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSEK	3:30:00 PM	71692						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD	9:30:00 AM	71693						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD	11:30:00 AM	71694						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD	1:30:00 PM	71695						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD	3:30:00 PM	71696						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD.fx	9:30:00 AM	71697						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD.fx	11:30:00 AM	71698						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD.fx	1:30:00 PM	71699						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFSGD.fx	3:30:00 PM	71700						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFZAR	9:30:00 AM	71701						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFZAR	11:30:00 AM	71702						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFZAR	1:30:00 PM	71703						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CHFZAR	3:30:00 PM	71704						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CZKJPY	9:30:00 AM	71705						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CZKJPY	11:30:00 AM	71706						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CZKJPY	1:30:00 PM	71707						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	CZKJPY	3:30:00 PM	71708						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DAX30.i	9:30:00 AM	71709						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DAX30.i	11:30:00 AM	71710						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DAX30.i	1:30:00 PM	71711						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DAX30.i	3:30:00 PM	71712						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DJ30.i	9:30:00 AM	71713						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DJ30.i	11:30:00 AM	71714						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DJ30.i	1:30:00 PM	71715						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DJ30.i	3:30:00 PM	71716						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DKKJPY	9:30:00 AM	71717						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	DKKJPY	11:30:00 AM	71718						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DKKJPY	1:30:00 PM	71719						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	DKKJPY	3:30:00 PM	71720						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD	9:30:00 AM	71721						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD	11:30:00 AM	71722						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD	1:30:00 PM	71723						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD	3:30:00 PM	71724						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD.fx	9:30:00 AM	71725						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD.fx	11:30:00 AM	71726						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD.fx	1:30:00 PM	71727						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURAUD.fx	3:30:00 PM	71728						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD	9:30:00 AM	71729						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD	11:30:00 AM	71730						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD	1:30:00 PM	71731						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD	3:30:00 PM	71732						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD.fx	9:30:00 AM	71733						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD.fx	11:30:00 AM	71734						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD.fx	1:30:00 PM	71735						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCAD.fx	3:30:00 PM	71736						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF	9:30:00 AM	71737						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF	11:30:00 AM	71738						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF	1:30:00 PM	71739						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF	3:30:00 PM	71740						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF.fx	9:30:00 AM	71741						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF.fx	11:30:00 AM	71742						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF.fx	1:30:00 PM	71743						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCHF.fx	3:30:00 PM	71744						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCZK	9:30:00 AM	71745						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCZK	11:30:00 AM	71746						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCZK	1:30:00 PM	71747						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURCZK	3:30:00 PM	71748						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURDKK	9:30:00 AM	71749						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURDKK	11:30:00 AM	71750						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURDKK	1:30:00 PM	71751						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	EURDKK	3:30:00 PM	71752						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP	9:30:00 AM	71753						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP	11:30:00 AM	71754						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP	1:30:00 PM	71755						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP	3:30:00 PM	71756						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP.fx	9:30:00 AM	71757						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP.fx	11:30:00 AM	71758						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP.fx	1:30:00 PM	71759						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURGBP.fx	3:30:00 PM	71760						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD	9:30:00 AM	71761						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD	11:30:00 AM	71762						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD	1:30:00 PM	71763						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD	3:30:00 PM	71764						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD.fx	9:30:00 AM	71765						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD.fx	11:30:00 AM	71766						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD.fx	1:30:00 PM	71767						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHKD.fx	3:30:00 PM	71768						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF	9:30:00 AM	71769						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF	11:30:00 AM	71770						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF	1:30:00 PM	71771						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF	3:30:00 PM	71772						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF.fx	9:30:00 AM	71773						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF.fx	11:30:00 AM	71774						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF.fx	1:30:00 PM	71775						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURHUF.fx	3:30:00 PM	71776						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY	9:30:00 AM	71777						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY	11:30:00 AM	71778						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY	1:30:00 PM	71779						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY	3:30:00 PM	71780						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY.fx	9:30:00 AM	71781						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY.fx	11:30:00 AM	71782						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY.fx	1:30:00 PM	71783						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURJPY.fx	3:30:00 PM	71784						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN	9:30:00 AM	71785						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	EURMXN	11:30:00 AM	71786						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN	1:30:00 PM	71787						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN	3:30:00 PM	71788						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN.fx	9:30:00 AM	71789						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN.fx	11:30:00 AM	71790						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN.fx	1:30:00 PM	71791						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURMXN.fx	3:30:00 PM	71792						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK	9:30:00 AM	71793						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK	11:30:00 AM	71794						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK	1:30:00 PM	71795						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK	3:30:00 PM	71796						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK.fx	9:30:00 AM	71797						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK.fx	11:30:00 AM	71798						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK.fx	1:30:00 PM	71799						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNOK.fx	3:30:00 PM	71800						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD	9:30:00 AM	71801						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD	11:30:00 AM	71802						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD	1:30:00 PM	71803						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD	3:30:00 PM	71804						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD.fx	9:30:00 AM	71805						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD.fx	11:30:00 AM	71806						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD.fx	1:30:00 PM	71807						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURNZD.fx	3:30:00 PM	71808						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN	9:30:00 AM	71809						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN	11:30:00 AM	71810						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN	1:30:00 PM	71811						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN	3:30:00 PM	71812						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN.fx	9:30:00 AM	71813						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN.fx	11:30:00 AM	71814						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN.fx	1:30:00 PM	71815						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURPLN.fx	3:30:00 PM	71816						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURRUB	9:30:00 AM	71817						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURRUB	11:30:00 AM	71818						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURRUB	1:30:00 PM	71819						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	EURRUB	3:30:00 PM	71820						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK	9:30:00 AM	71821						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK	11:30:00 AM	71822						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK	1:30:00 PM	71823						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK	3:30:00 PM	71824						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK.fx	9:30:00 AM	71825						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK.fx	11:30:00 AM	71826						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK.fx	1:30:00 PM	71827						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSEK.fx	3:30:00 PM	71828						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD	9:30:00 AM	71829						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD	11:30:00 AM	71830						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD	1:30:00 PM	71831						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD	3:30:00 PM	71832						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD.fx	9:30:00 AM	71833						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD.fx	11:30:00 AM	71834						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD.fx	1:30:00 PM	71835						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURSGD.fx	3:30:00 PM	71836						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD	9:30:00 AM	71837						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD	11:30:00 AM	71838						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD	1:30:00 PM	71839						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD	3:30:00 PM	71840						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD.fx	9:30:00 AM	71841						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD.fx	11:30:00 AM	71842						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD.fx	1:30:00 PM	71843						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURUSD.fx	3:30:00 PM	71844						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR	9:30:00 AM	71845						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR	11:30:00 AM	71846						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR	1:30:00 PM	71847						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR	3:30:00 PM	71848						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR.fx	9:30:00 AM	71849						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR.fx	11:30:00 AM	71850						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR.fx	1:30:00 PM	71851						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	EURZAR.fx	3:30:00 PM	71852						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD	9:30:00 AM	71853						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	GBPAUD	11:30:00 AM	71854						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD	1:30:00 PM	71855						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD	3:30:00 PM	71856						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD.fx	9:30:00 AM	71857						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD.fx	11:30:00 AM	71858						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD.fx	1:30:00 PM	71859						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPAUD.fx	3:30:00 PM	71860						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD	9:30:00 AM	71861						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD	11:30:00 AM	71862						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD	1:30:00 PM	71863						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD	3:30:00 PM	71864						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD.fx	9:30:00 AM	71865						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD.fx	11:30:00 AM	71866						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD.fx	1:30:00 PM	71867						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCAD.fx	3:30:00 PM	71868						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF	9:30:00 AM	71869						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF	11:30:00 AM	71870						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF	1:30:00 PM	71871						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF	3:30:00 PM	71872						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF.fx	9:30:00 AM	71873						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF.fx	11:30:00 AM	71874						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF.fx	1:30:00 PM	71875						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCHF.fx	3:30:00 PM	71876						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCZK	9:30:00 AM	71877						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCZK	11:30:00 AM	71878						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCZK	1:30:00 PM	71879						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPCZK	3:30:00 PM	71880						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK	9:30:00 AM	71881						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK	11:30:00 AM	71882						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK	1:30:00 PM	71883						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK	3:30:00 PM	71884						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK.fx	9:30:00 AM	71885						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK.fx	11:30:00 AM	71886						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPDKK.fx	1:30:00 PM	71887						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	GBPDKK.fx	3:30:00 PM	71888						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHKD	9:30:00 AM	71889						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHKD	11:30:00 AM	71890						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHKD	1:30:00 PM	71891						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHKD	3:30:00 PM	71892						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHUF	9:30:00 AM	71893						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHUF	11:30:00 AM	71894						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHUF	1:30:00 PM	71895						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPHUF	3:30:00 PM	71896						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY	9:30:00 AM	71897						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY	11:30:00 AM	71898						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY	1:30:00 PM	71899						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY	3:30:00 PM	71900						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY.fx	9:30:00 AM	71901						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY.fx	11:30:00 AM	71902						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY.fx	1:30:00 PM	71903						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPJPY.fx	3:30:00 PM	71904						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPMXN	9:30:00 AM	71905						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPMXN	11:30:00 AM	71906						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPMXN	1:30:00 PM	71907						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPMXN	3:30:00 PM	71908						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK	9:30:00 AM	71909						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK	11:30:00 AM	71910						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK	1:30:00 PM	71911						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK	3:30:00 PM	71912						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK.fx	9:30:00 AM	71913						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK.fx	11:30:00 AM	71914						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK.fx	1:30:00 PM	71915						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNOK.fx	3:30:00 PM	71916						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD	9:30:00 AM	71917						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD	11:30:00 AM	71918						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD	1:30:00 PM	71919						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD	3:30:00 PM	71920						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD.fx	9:30:00 AM	71921						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	GBPNZD.fx	11:30:00 AM	71922						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD.fx	1:30:00 PM	71923						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPNZD.fx	3:30:00 PM	71924						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN	9:30:00 AM	71925						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN	11:30:00 AM	71926						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN	1:30:00 PM	71927						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN	3:30:00 PM	71928						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN.fx	9:30:00 AM	71929						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN.fx	11:30:00 AM	71930						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN.fx	1:30:00 PM	71931						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPPLN.fx	3:30:00 PM	71932						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK	9:30:00 AM	71933						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK	11:30:00 AM	71934						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK	1:30:00 PM	71935						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK	3:30:00 PM	71936						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK.fx	9:30:00 AM	71937						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK.fx	11:30:00 AM	71938						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK.fx	1:30:00 PM	71939						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSEK.fx	3:30:00 PM	71940						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD	9:30:00 AM	71941						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD	11:30:00 AM	71942						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD	1:30:00 PM	71943						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD	3:30:00 PM	71944						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD.fx	9:30:00 AM	71945						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD.fx	11:30:00 AM	71946						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD.fx	1:30:00 PM	71947						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPSGD.fx	3:30:00 PM	71948						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD	9:30:00 AM	71949						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD	11:30:00 AM	71950						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD	1:30:00 PM	71951						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD	3:30:00 PM	71952						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD.fx	9:30:00 AM	71953						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD.fx	11:30:00 AM	71954						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPUSD.fx	1:30:00 PM	71955						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	GBPUSD.fx	3:30:00 PM	71956						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR	9:30:00 AM	71957						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR	11:30:00 AM	71958						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR	1:30:00 PM	71959						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR	3:30:00 PM	71960						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR.fx	9:30:00 AM	71961						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR.fx	11:30:00 AM	71962						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR.fx	1:30:00 PM	71963						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GBPZAR.fx	3:30:00 PM	71964						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GOLD	9:30:00 AM	71965						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GOLD	11:30:00 AM	71966						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GOLD	1:30:00 PM	71967						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	GOLD	3:30:00 PM	71968						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY	9:30:00 AM	71969						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY	11:30:00 AM	71970						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY	1:30:00 PM	71971						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY	3:30:00 PM	71972						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY.fx	9:30:00 AM	71973						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY.fx	11:30:00 AM	71974						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY.fx	1:30:00 PM	71975						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HKDJPY.fx	3:30:00 PM	71976						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HUFJPY	9:30:00 AM	71977						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HUFJPY	11:30:00 AM	71978						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HUFJPY	1:30:00 PM	71979						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	HUFJPY	3:30:00 PM	71980						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JP225.i	9:30:00 AM	71981						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JP225.i	11:30:00 AM	71982						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JP225.i	1:30:00 PM	71983						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JP225.i	3:30:00 PM	71984						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	MXNJPY	9:30:00 AM	71985						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	MXNJPY	11:30:00 AM	71986						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	MXNJPY	1:30:00 PM	71987						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	MXNJPY	3:30:00 PM	71988						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NASDAQ.i	9:30:00 AM	71989						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	NASDAQ.i	11:30:00 AM	71990						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NASDAQ.i	1:30:00 PM	71991						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NASDAQ.i	3:30:00 PM	71992						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY	9:30:00 AM	71993						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY	11:30:00 AM	71994						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY	1:30:00 PM	71995						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY	3:30:00 PM	71996						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY.fx	9:30:00 AM	71997						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY.fx	11:30:00 AM	71998						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY.fx	1:30:00 PM	71999						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NOKJPY.fx	3:30:00 PM	72000						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD	9:30:00 AM	72001						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD	11:30:00 AM	72002						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD	1:30:00 PM	72003						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD	3:30:00 PM	72004						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD.fx	9:30:00 AM	72005						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD.fx	11:30:00 AM	72006						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD.fx	1:30:00 PM	72007						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCAD.fx	3:30:00 PM	72008						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF	9:30:00 AM	72009						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF	11:30:00 AM	72010						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF	1:30:00 PM	72011						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF	3:30:00 PM	72012						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF.fx	9:30:00 AM	72013						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF.fx	11:30:00 AM	72014						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF.fx	1:30:00 PM	72015						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCHF.fx	3:30:00 PM	72016						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCZK	9:30:00 AM	72017						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCZK	11:30:00 AM	72018						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCZK	1:30:00 PM	72019						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDCZK	3:30:00 PM	72020						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDDKK	9:30:00 AM	72021						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDDKK	11:30:00 AM	72022						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDDKK	1:30:00 PM	72023						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	NZDDKK	3:30:00 PM	72024						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHKD	9:30:00 AM	72025						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHKD	11:30:00 AM	72026						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHKD	1:30:00 PM	72027						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHKD	3:30:00 PM	72028						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHUF	9:30:00 AM	72029						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHUF	11:30:00 AM	72030						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHUF	1:30:00 PM	72031						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDHUF	3:30:00 PM	72032						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY	9:30:00 AM	72033						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY	11:30:00 AM	72034						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY	1:30:00 PM	72035						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY	3:30:00 PM	72036						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY.fx	9:30:00 AM	72037						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY.fx	11:30:00 AM	72038						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY.fx	1:30:00 PM	72039						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDJPY.fx	3:30:00 PM	72040						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDMXN	9:30:00 AM	72041						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDMXN	11:30:00 AM	72042						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDMXN	1:30:00 PM	72043						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDMXN	3:30:00 PM	72044						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDNOK	9:30:00 AM	72045						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDNOK	11:30:00 AM	72046						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDNOK	1:30:00 PM	72047						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDNOK	3:30:00 PM	72048						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDPLN	9:30:00 AM	72049						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDPLN	11:30:00 AM	72050						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDPLN	1:30:00 PM	72051						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDPLN	3:30:00 PM	72052						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSEK	9:30:00 AM	72053						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSEK	11:30:00 AM	72054						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSEK	1:30:00 PM	72055						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSEK	3:30:00 PM	72056						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD	9:30:00 AM	72057						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	NZDSGD	11:30:00 AM	72058						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD	1:30:00 PM	72059						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD	3:30:00 PM	72060						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD.fx	9:30:00 AM	72061						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD.fx	11:30:00 AM	72062						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD.fx	1:30:00 PM	72063						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDSGD.fx	3:30:00 PM	72064						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD	9:30:00 AM	72065						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD	11:30:00 AM	72066						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD	1:30:00 PM	72067						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD	3:30:00 PM	72068						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD.fx	9:30:00 AM	72069						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD.fx	11:30:00 AM	72070						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD.fx	1:30:00 PM	72071						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDUSD.fx	3:30:00 PM	72072						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDZAR	9:30:00 AM	72073						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDZAR	11:30:00 AM	72074						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDZAR	1:30:00 PM	72075						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	NZDZAR	3:30:00 PM	72076						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY	9:30:00 AM	72077						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY	11:30:00 AM	72078						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY	1:30:00 PM	72079						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY	3:30:00 PM	72080						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY.fx	9:30:00 AM	72081						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY.fx	11:30:00 AM	72082						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY.fx	1:30:00 PM	72083						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SEKJPY.fx	3:30:00 PM	72084						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SGDJPY	9:30:00 AM	72085						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SGDJPY	11:30:00 AM	72086						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SGDJPY	1:30:00 PM	72087						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SGDJPY	3:30:00 PM	72088						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SILVER	9:30:00 AM	72089						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SILVER	11:30:00 AM	72090						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SILVER	1:30:00 PM	72091						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	SILVER	3:30:00 PM	72092						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SPX500.i	9:30:00 AM	72093						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SPX500.i	11:30:00 AM	72094						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SPX500.i	1:30:00 PM	72095						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	SPX500.i	3:30:00 PM	72096						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	UK100.i	9:30:00 AM	72097						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	UK100.i	11:30:00 AM	72098						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	UK100.i	1:30:00 PM	72099						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	UK100.i	3:30:00 PM	72100						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD	9:30:00 AM	72101						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD	11:30:00 AM	72102						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD	1:30:00 PM	72103						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD	3:30:00 PM	72104						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD.fx	9:30:00 AM	72105						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD.fx	11:30:00 AM	72106						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD.fx	1:30:00 PM	72107						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCAD.fx	3:30:00 PM	72108						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF	9:30:00 AM	72109						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF	11:30:00 AM	72110						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF	1:30:00 PM	72111						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF	3:30:00 PM	72112						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF.fx	9:30:00 AM	72113						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF.fx	11:30:00 AM	72114						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF.fx	1:30:00 PM	72115						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCHF.fx	3:30:00 PM	72116						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK	9:30:00 AM	72117						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK	11:30:00 AM	72118						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK	1:30:00 PM	72119						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK	3:30:00 PM	72120						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK.fx	9:30:00 AM	72121						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK.fx	11:30:00 AM	72122						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK.fx	1:30:00 PM	72123						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDCZK.fx	3:30:00 PM	72124						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK	9:30:00 AM	72125						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	USDDKK	11:30:00 AM	72126						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK	1:30:00 PM	72127						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK	3:30:00 PM	72128						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK.fx	9:30:00 AM	72129						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK.fx	11:30:00 AM	72130						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK.fx	1:30:00 PM	72131						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDDKK.fx	3:30:00 PM	72132						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD	9:30:00 AM	72133						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD	11:30:00 AM	72134						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD	1:30:00 PM	72135						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD	3:30:00 PM	72136						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD.fx	9:30:00 AM	72137						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD.fx	11:30:00 AM	72138						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD.fx	1:30:00 PM	72139						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHKD.fx	3:30:00 PM	72140						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF	9:30:00 AM	72141						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF	11:30:00 AM	72142						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF	1:30:00 PM	72143						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF	3:30:00 PM	72144						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF.fx	9:30:00 AM	72145						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF.fx	11:30:00 AM	72146						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF.fx	1:30:00 PM	72147						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDHUF.fx	3:30:00 PM	72148						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDINR	9:30:00 AM	72149						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDINR	11:30:00 AM	72150						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDINR	1:30:00 PM	72151						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDINR	3:30:00 PM	72152						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY	9:30:00 AM	72153						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY	11:30:00 AM	72154						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY	1:30:00 PM	72155						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY	3:30:00 PM	72156						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY.fx	9:30:00 AM	72157						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY.fx	11:30:00 AM	72158						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDJPY.fx	1:30:00 PM	72159						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	USDJPY.fx	3:30:00 PM	72160						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDMXN	9:30:00 AM	72161						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDMXN	11:30:00 AM	72162						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDMXN	1:30:00 PM	72163						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDMXN	3:30:00 PM	72164						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JSDMXN.fx	9:30:00 AM	72165						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JSDMXN.fx	11:30:00 AM	72166						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JSDMXN.fx	1:30:00 PM	72167						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	JSDMXN.fx	3:30:00 PM	72168						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK	9:30:00 AM	72169						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK	11:30:00 AM	72170						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK	1:30:00 PM	72171						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK	3:30:00 PM	72172						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK.fx	9:30:00 AM	72173						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK.fx	11:30:00 AM	72174						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK.fx	1:30:00 PM	72175						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDNOK.fx	3:30:00 PM	72176						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN	9:30:00 AM	72177						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN	11:30:00 AM	72178						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN	1:30:00 PM	72179						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN	3:30:00 PM	72180						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN.fx	9:30:00 AM	72181						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN.fx	11:30:00 AM	72182						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN.fx	1:30:00 PM	72183						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDPLN.fx	3:30:00 PM	72184						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDRUB	9:30:00 AM	72185						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDRUB	11:30:00 AM	72186						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDRUB	1:30:00 PM	72187						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDRUB	3:30:00 PM	72188						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK	9:30:00 AM	72189						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK	11:30:00 AM	72190						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK	1:30:00 PM	72191						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK	3:30:00 PM	72192						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK.fx	9:30:00 AM	72193						Continuous Quote	N/A	ELECTRONIC	N/A

11/30/2019	USDSEK.fx	11:30:00 AM	72194						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK.fx	1:30:00 PM	72195						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSEK.fx	3:30:00 PM	72196						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD	9:30:00 AM	72197						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD	11:30:00 AM	72198						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD	1:30:00 PM	72199						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD	3:30:00 PM	72200						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD.fx	9:30:00 AM	72201						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD.fx	11:30:00 AM	72202						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD.fx	1:30:00 PM	72203						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDSGD.fx	3:30:00 PM	72204						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR	9:30:00 AM	72205						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR	11:30:00 AM	72206						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR	1:30:00 PM	72207						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR	3:30:00 PM	72208						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR.fx	9:30:00 AM	72209						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR.fx	11:30:00 AM	72210						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR.fx	1:30:00 PM	72211						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	USDZAR.fx	3:30:00 PM	72212						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	XAUUSD	9:30:00 AM	72213						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	XAUUSD	11:30:00 AM	72214						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	XAUUSD	1:30:00 PM	72215						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	XAUUSD	3:30:00 PM	72216						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY	9:30:00 AM	72217						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY	11:30:00 AM	72218						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY	1:30:00 PM	72219						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY	3:30:00 PM	72220						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY.fx	9:30:00 AM	72221						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY.fx	11:30:00 AM	72222						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY.fx	1:30:00 PM	72223						Continuous Quote	N/A	ELECTRONIC	N/A
11/30/2019	ZARJPY.fx	3:30:00 PM	72224						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AA	9:30:00 AM	72225						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AA	11:30:00 AM	72226						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AA	1:30:00 PM	72227						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	#AA	3:30:00 PM	72228						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AABA	9:30:00 AM	72229						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AABA	11:30:00 AM	72230						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AABA	1:30:00 PM	72231						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AABA	3:30:00 PM	72232						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAL	9:30:00 AM	72233						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAL	11:30:00 AM	72234						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAL	1:30:00 PM	72235						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#AAPL	9:30:00 AM	72237						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAPL	11:30:00 AM	72238						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAPL	1:30:00 PM	72239						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AAPL	3:30:00 PM	72240						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#ADBE	9:30:00 AM	72241						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#ADBE	11:30:00 AM	72242						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#ADBE	1:30:00 PM	72243						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#ADBE	3:30:00 PM	72244						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AIG	9:30:00 AM	72245						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AIG	11:30:00 AM	72246						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AIG	1:30:00 PM	72247						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AIG	3:30:00 PM	72248						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMD	9:30:00 AM	72249						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMD	11:30:00 AM	72250						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMD	1:30:00 PM	72251						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMD	3:30:00 PM	72252						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMZN	9:30:00 AM	72253						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMZN	11:30:00 AM	72254						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMZN	1:30:00 PM	72255						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AMZN	3:30:00 PM	72256						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AXP	9:30:00 AM	72257						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AXP	11:30:00 AM	72258						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AXP	1:30:00 PM	72259						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#AXP	3:30:00 PM	72260						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BA	9:30:00 AM	72261						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	#BA	11:30:00 AM	72262						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BA	3:30:00 PM	72264						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BABA	11:30:00 AM	72266						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BABA	1:30:00 PM	72267						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BABA	3:30:00 PM	72268						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BAC	9:30:00 AM	72269						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BAC	11:30:00 AM	72270						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BAC	1:30:00 PM	72271						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BAC	3:30:00 PM	72272						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BARC	9:30:00 AM	72273						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BARC	11:30:00 AM	72274						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BARC	1:30:00 PM	72275						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BARC	3:30:00 PM	72276						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BHP	1:30:00 PM	72279						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BHP	3:30:00 PM	72280						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BIDU	9:30:00 AM	72281						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BIDU	3:30:00 PM	72284						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#Bitcoin	3:30:00 PM	72288						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BK	1:30:00 PM	72291						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BK	3:30:00 PM	72292						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BLT	9:30:00 AM	72293						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BLT	11:30:00 AM	72294						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BLT	1:30:00 PM	72295						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	#BLT	3:30:00 PM	72296						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BP	9:30:00 AM	72297						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#BTA	9:30:00 AM	72301						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BTA	11:30:00 AM	72302						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BTA	1:30:00 PM	72303						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#BTA	3:30:00 PM	72304						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#C	9:30:00 AM	72305						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#C	11:30:00 AM	72306						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#C	1:30:00 PM	72307						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	#C	3:30:00 PM	72308						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#CMCSA	9:30:00 AM	72321						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	#CSCO	3:30:00 PM	72328						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	BCHUSD	1:30:00 PM	72767						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	BCHUSD	3:30:00 PM	72768						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF	9:30:00 AM	72769						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF	11:30:00 AM	72770						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF	1:30:00 PM	72771						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	CADCHF	3:30:00 PM	72772						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF.fx	9:30:00 AM	72773						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF.fx	11:30:00 AM	72774						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF.fx	1:30:00 PM	72775						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCHF.fx	3:30:00 PM	72776						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCZK	9:30:00 AM	72777						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCZK	11:30:00 AM	72778						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCZK	1:30:00 PM	72779						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADCZK	3:30:00 PM	72780						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADDDK	9:30:00 AM	72781						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADDDK	11:30:00 AM	72782						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADDDK	1:30:00 PM	72783						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADDDK	3:30:00 PM	72784						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHKD	9:30:00 AM	72785						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHKD	11:30:00 AM	72786						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHKD	1:30:00 PM	72787						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHKD	3:30:00 PM	72788						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHUF	9:30:00 AM	72789						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHUF	11:30:00 AM	72790						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHUF	1:30:00 PM	72791						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADHUF	3:30:00 PM	72792						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY	9:30:00 AM	72793						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY	11:30:00 AM	72794						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY	1:30:00 PM	72795						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY	3:30:00 PM	72796						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY.fx	9:30:00 AM	72797						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY.fx	11:30:00 AM	72798						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY.fx	1:30:00 PM	72799						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADJPY.fx	3:30:00 PM	72800						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADMXN	9:30:00 AM	72801						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADMXN	11:30:00 AM	72802						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADMXN	1:30:00 PM	72803						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADMXN	3:30:00 PM	72804						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADNOK	9:30:00 AM	72805						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	CADNOK	11:30:00 AM	72806						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADNOK	1:30:00 PM	72807						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADNOK	3:30:00 PM	72808						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADPLN	9:30:00 AM	72809						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADPLN	11:30:00 AM	72810						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADPLN	1:30:00 PM	72811						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADPLN	3:30:00 PM	72812						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSEK	9:30:00 AM	72813						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSEK	11:30:00 AM	72814						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSEK	1:30:00 PM	72815						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSEK	3:30:00 PM	72816						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSGD	9:30:00 AM	72817						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSGD	11:30:00 AM	72818						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSGD	1:30:00 PM	72819						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADSGD	3:30:00 PM	72820						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADZAR	9:30:00 AM	72821						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADZAR	11:30:00 AM	72822						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADZAR	1:30:00 PM	72823						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CADZAR	3:30:00 PM	72824						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFCZK	9:30:00 AM	72825						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFCZK	11:30:00 AM	72826						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFCZK	1:30:00 PM	72827						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFCZK	3:30:00 PM	72828						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK	9:30:00 AM	72829						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK	11:30:00 AM	72830						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK	1:30:00 PM	72831						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK	3:30:00 PM	72832						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	CHFDKK.fx	11:30:00 AM	72834						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK.fx	1:30:00 PM	72835						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFDKK.fx	3:30:00 PM	72836						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHKD	9:30:00 AM	72837						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHKD	11:30:00 AM	72838						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHKD	1:30:00 PM	72839						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	CHFHKD	3:30:00 PM	72840						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHUF	9:30:00 AM	72841						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHUF	11:30:00 AM	72842						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHUF	1:30:00 PM	72843						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFHUF	3:30:00 PM	72844						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY	9:30:00 AM	72845						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY	11:30:00 AM	72846						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY	1:30:00 PM	72847						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY	3:30:00 PM	72848						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY.fx	9:30:00 AM	72849						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY.fx	11:30:00 AM	72850						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY.fx	1:30:00 PM	72851						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFJPY.fx	3:30:00 PM	72852						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFMXN	9:30:00 AM	72853						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFMXN	11:30:00 AM	72854						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFMXN	1:30:00 PM	72855						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFMXN	3:30:00 PM	72856						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK	9:30:00 AM	72857						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK	11:30:00 AM	72858						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK	1:30:00 PM	72859						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK	3:30:00 PM	72860						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK.fx	9:30:00 AM	72861						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK.fx	11:30:00 AM	72862						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK.fx	1:30:00 PM	72863						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFNOK.fx	3:30:00 PM	72864						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN	9:30:00 AM	72865						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN	11:30:00 AM	72866						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN	1:30:00 PM	72867						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN	3:30:00 PM	72868						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN.fx	9:30:00 AM	72869						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN.fx	11:30:00 AM	72870						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN.fx	1:30:00 PM	72871						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFPLN.fx	3:30:00 PM	72872						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSEK	9:30:00 AM	72873						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	CHFSEK	11:30:00 AM	72874						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSEK	1:30:00 PM	72875						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSEK	3:30:00 PM	72876						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD	9:30:00 AM	72877						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD	11:30:00 AM	72878						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD	1:30:00 PM	72879						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD	3:30:00 PM	72880						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD.fx	9:30:00 AM	72881						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD.fx	11:30:00 AM	72882						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD.fx	1:30:00 PM	72883						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFSGD.fx	3:30:00 PM	72884						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFZAR	9:30:00 AM	72885						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFZAR	11:30:00 AM	72886						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFZAR	1:30:00 PM	72887						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CHFZAR	3:30:00 PM	72888						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CZKJPY	9:30:00 AM	72889						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CZKJPY	11:30:00 AM	72890						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CZKJPY	1:30:00 PM	72891						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	CZKJPY	3:30:00 PM	72892						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DAX30.i	9:30:00 AM	72893						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DAX30.i	11:30:00 AM	72894						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DAX30.i	1:30:00 PM	72895						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DAX30.i	3:30:00 PM	72896						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DJ30.i	9:30:00 AM	72897						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DJ30.i	11:30:00 AM	72898						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DJ30.i	1:30:00 PM	72899						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DJ30.i	3:30:00 PM	72900						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DKKJPY	9:30:00 AM	72901						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DKKJPY	11:30:00 AM	72902						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DKKJPY	1:30:00 PM	72903						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	DKKJPY	3:30:00 PM	72904						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD	9:30:00 AM	72905						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD	11:30:00 AM	72906						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD	1:30:00 PM	72907						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	EURAUD	3:30:00 PM	72908						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD.fx	9:30:00 AM	72909						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD.fx	11:30:00 AM	72910						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD.fx	1:30:00 PM	72911						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURAUD.fx	3:30:00 PM	72912						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCAD	9:30:00 AM	72913						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCAD	11:30:00 AM	72914						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURCAD	3:30:00 PM	72916						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURCAD.fx	11:30:00 AM	72918						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCAD.fx	1:30:00 PM	72919						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCAD.fx	3:30:00 PM	72920						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF	9:30:00 AM	72921						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF	11:30:00 AM	72922						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF	1:30:00 PM	72923						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF	3:30:00 PM	72924						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF.fx	9:30:00 AM	72925						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF.fx	11:30:00 AM	72926						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF.fx	1:30:00 PM	72927						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCHF.fx	3:30:00 PM	72928						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCZK	9:30:00 AM	72929						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCZK	11:30:00 AM	72930						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCZK	1:30:00 PM	72931						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURCZK	3:30:00 PM	72932						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURDKK	9:30:00 AM	72933						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURDKK	11:30:00 AM	72934						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURDKK	1:30:00 PM	72935						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURDKK	3:30:00 PM	72936						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP	9:30:00 AM	72937						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP	11:30:00 AM	72938						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP	1:30:00 PM	72939						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP	3:30:00 PM	72940						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP.fx	9:30:00 AM	72941						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	EURGBP.fx	11:30:00 AM	72942						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP.fx	1:30:00 PM	72943						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURGBP.fx	3:30:00 PM	72944						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHKD	9:30:00 AM	72945						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHKD	11:30:00 AM	72946						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHKD	1:30:00 PM	72947						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHKD	3:30:00 PM	72948						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURHKD.fx	1:30:00 PM	72951						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHKD.fx	3:30:00 PM	72952						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHUF	9:30:00 AM	72953						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHUF	11:30:00 AM	72954						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURHUF	3:30:00 PM	72956						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHUF.fx	9:30:00 AM	72957						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURHUF.fx	1:30:00 PM	72959						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURHUF.fx	3:30:00 PM	72960						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY	9:30:00 AM	72961						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY	11:30:00 AM	72962						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY	1:30:00 PM	72963						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY	3:30:00 PM	72964						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY.fx	9:30:00 AM	72965						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY.fx	11:30:00 AM	72966						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY.fx	1:30:00 PM	72967						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURJPY.fx	3:30:00 PM	72968						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN	9:30:00 AM	72969						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN	11:30:00 AM	72970						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN	1:30:00 PM	72971						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN	3:30:00 PM	72972						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN.fx	9:30:00 AM	72973						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN.fx	11:30:00 AM	72974						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURMXN.fx	1:30:00 PM	72975						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	EURMXN.fx	3:30:00 PM	72976						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK	9:30:00 AM	72977						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK	11:30:00 AM	72978						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK	1:30:00 PM	72979						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK	3:30:00 PM	72980						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK.fx	9:30:00 AM	72981						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK.fx	11:30:00 AM	72982						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK.fx	1:30:00 PM	72983						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNOK.fx	3:30:00 PM	72984						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD	9:30:00 AM	72985						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD	11:30:00 AM	72986						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD	1:30:00 PM	72987						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD	3:30:00 PM	72988						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD.fx	9:30:00 AM	72989						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD.fx	11:30:00 AM	72990						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD.fx	1:30:00 PM	72991						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURNZD.fx	3:30:00 PM	72992						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN	9:30:00 AM	72993						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN	11:30:00 AM	72994						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN	1:30:00 PM	72995						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN	3:30:00 PM	72996						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN.fx	9:30:00 AM	72997						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN.fx	11:30:00 AM	72998						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN.fx	1:30:00 PM	72999						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURPLN.fx	3:30:00 PM	73000						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURRUB	9:30:00 AM	73001						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURRUB	11:30:00 AM	73002						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURRUB	1:30:00 PM	73003						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURRUB	3:30:00 PM	73004						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK	9:30:00 AM	73005						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK	11:30:00 AM	73006						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK	1:30:00 PM	73007						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK	3:30:00 PM	73008						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK.fx	9:30:00 AM	73009						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	EURSEK.fx	11:30:00 AM	73010						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK.fx	1:30:00 PM	73011						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSEK.fx	3:30:00 PM	73012						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD	9:30:00 AM	73013						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD	11:30:00 AM	73014						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD	1:30:00 PM	73015						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD	3:30:00 PM	73016						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD.fx	9:30:00 AM	73017						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD.fx	11:30:00 AM	73018						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD.fx	1:30:00 PM	73019						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURSGD.fx	3:30:00 PM	73020						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURUSD	9:30:00 AM	73021						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURUSD	11:30:00 AM	73022						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURUSD	1:30:00 PM	73023						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURUSD.fx	1:30:00 PM	73027						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	EURZAR	9:30:00 AM	73029						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR	11:30:00 AM	73030						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR	1:30:00 PM	73031						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR	3:30:00 PM	73032						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR.fx	9:30:00 AM	73033						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR.fx	11:30:00 AM	73034						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	EURZAR.fx	1:30:00 PM	73035						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	GBPAUD	11:30:00 AM	73038						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPAUD	1:30:00 PM	73039						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPAUD	3:30:00 PM	73040						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPAUD.fx	9:30:00 AM	73041						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPAUD.fx	11:30:00 AM	73042						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPAUD.fx	1:30:00 PM	73043						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	GBPAUD.fx	3:30:00 PM	73044						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD	9:30:00 AM	73045						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD	11:30:00 AM	73046						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD	1:30:00 PM	73047						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD	3:30:00 PM	73048						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD.fx	9:30:00 AM	73049						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD.fx	11:30:00 AM	73050						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD.fx	1:30:00 PM	73051						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCAD.fx	3:30:00 PM	73052						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF	9:30:00 AM	73053						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF	11:30:00 AM	73054						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF	1:30:00 PM	73055						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF	3:30:00 PM	73056						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF.fx	9:30:00 AM	73057						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF.fx	11:30:00 AM	73058						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF.fx	1:30:00 PM	73059						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCHF.fx	3:30:00 PM	73060						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCZK	9:30:00 AM	73061						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCZK	11:30:00 AM	73062						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCZK	1:30:00 PM	73063						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPCZK	3:30:00 PM	73064						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK	9:30:00 AM	73065						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK	11:30:00 AM	73066						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK	1:30:00 PM	73067						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK	3:30:00 PM	73068						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK.fx	9:30:00 AM	73069						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK.fx	11:30:00 AM	73070						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK.fx	1:30:00 PM	73071						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPDKK.fx	3:30:00 PM	73072						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHKD	9:30:00 AM	73073						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHKD	11:30:00 AM	73074						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHKD	1:30:00 PM	73075						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHKD	3:30:00 PM	73076						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHUF	9:30:00 AM	73077						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	GBPHUF	11:30:00 AM	73078						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHUF	1:30:00 PM	73079						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPHUF	3:30:00 PM	73080						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPJPY	9:30:00 AM	73081						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPJPY	11:30:00 AM	73082						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPJPY	1:30:00 PM	73083						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	GBPJPY.fx	11:30:00 AM	73086						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPJPY.fx	1:30:00 PM	73087						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPJPY.fx	3:30:00 PM	73088						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPMXN	9:30:00 AM	73089						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPMXN	11:30:00 AM	73090						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPMXN	1:30:00 PM	73091						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPMXN	3:30:00 PM	73092						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK	9:30:00 AM	73093						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK	11:30:00 AM	73094						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK	1:30:00 PM	73095						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK	3:30:00 PM	73096						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK.fx	9:30:00 AM	73097						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK.fx	11:30:00 AM	73098						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK.fx	1:30:00 PM	73099						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNOK.fx	3:30:00 PM	73100						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD	9:30:00 AM	73101						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD	11:30:00 AM	73102						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD	1:30:00 PM	73103						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD	3:30:00 PM	73104						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD.fx	9:30:00 AM	73105						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD.fx	11:30:00 AM	73106						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD.fx	1:30:00 PM	73107						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPNZD.fx	3:30:00 PM	73108						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN	9:30:00 AM	73109						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN	11:30:00 AM	73110						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN	1:30:00 PM	73111						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	GBPPLN	3:30:00 PM	73112						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN.fx	9:30:00 AM	73113						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN.fx	11:30:00 AM	73114						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN.fx	1:30:00 PM	73115						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPPLN.fx	3:30:00 PM	73116						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK	9:30:00 AM	73117						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK	11:30:00 AM	73118						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK	1:30:00 PM	73119						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK	3:30:00 PM	73120						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK.fx	9:30:00 AM	73121						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK.fx	11:30:00 AM	73122						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK.fx	1:30:00 PM	73123						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSEK.fx	3:30:00 PM	73124						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD	9:30:00 AM	73125						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD	11:30:00 AM	73126						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD	1:30:00 PM	73127						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD	3:30:00 PM	73128						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD.fx	9:30:00 AM	73129						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD.fx	11:30:00 AM	73130						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD.fx	1:30:00 PM	73131						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPSGD.fx	3:30:00 PM	73132						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD	9:30:00 AM	73133						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD	11:30:00 AM	73134						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD	1:30:00 PM	73135						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD	3:30:00 PM	73136						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD.fx	9:30:00 AM	73137						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD.fx	11:30:00 AM	73138						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD.fx	1:30:00 PM	73139						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPUSD.fx	3:30:00 PM	73140						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR	9:30:00 AM	73141						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR	11:30:00 AM	73142						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR	1:30:00 PM	73143						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR	3:30:00 PM	73144						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR.fx	9:30:00 AM	73145						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	GBPZAR.fx	11:30:00 AM	73146						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR.fx	1:30:00 PM	73147						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GBPZAR.fx	3:30:00 PM	73148						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GOLD	9:30:00 AM	73149						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GOLD	11:30:00 AM	73150						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GOLD	1:30:00 PM	73151						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	GOLD	3:30:00 PM	73152						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY	9:30:00 AM	73153						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY	11:30:00 AM	73154						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY	1:30:00 PM	73155						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY	3:30:00 PM	73156						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY.fx	9:30:00 AM	73157						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY.fx	11:30:00 AM	73158						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY.fx	1:30:00 PM	73159						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HKDJPY.fx	3:30:00 PM	73160						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HUFJPY	9:30:00 AM	73161						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HUFJPY	11:30:00 AM	73162						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HUFJPY	1:30:00 PM	73163						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	HUFJPY	3:30:00 PM	73164						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	JP225.i	9:30:00 AM	73165						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	JP225.i	11:30:00 AM	73166						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	JP225.i	1:30:00 PM	73167						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	JP225.i	3:30:00 PM	73168						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	MXNJPY	9:30:00 AM	73169						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	MXNJPY	11:30:00 AM	73170						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	MXNJPY	1:30:00 PM	73171						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	MXNJPY	3:30:00 PM	73172						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NASDAQ.i	9:30:00 AM	73173						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NASDAQ.i	11:30:00 AM	73174						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NASDAQ.i	1:30:00 PM	73175						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NASDAQ.i	3:30:00 PM	73176						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY	9:30:00 AM	73177						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY	11:30:00 AM	73178						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY	1:30:00 PM	73179						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	NOKJPY	3:30:00 PM	73180						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY.fx	9:30:00 AM	73181						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY.fx	11:30:00 AM	73182						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY.fx	1:30:00 PM	73183						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NOKJPY.fx	3:30:00 PM	73184						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD	9:30:00 AM	73185						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD	11:30:00 AM	73186						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD	1:30:00 PM	73187						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD	3:30:00 PM	73188						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD.fx	9:30:00 AM	73189						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD.fx	11:30:00 AM	73190						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD.fx	1:30:00 PM	73191						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCAD.fx	3:30:00 PM	73192						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF	9:30:00 AM	73193						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF	11:30:00 AM	73194						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF	1:30:00 PM	73195						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF	3:30:00 PM	73196						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF.fx	9:30:00 AM	73197						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF.fx	11:30:00 AM	73198						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF.fx	1:30:00 PM	73199						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCHF.fx	3:30:00 PM	73200						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCZK	9:30:00 AM	73201						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCZK	11:30:00 AM	73202						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCZK	1:30:00 PM	73203						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDCZK	3:30:00 PM	73204						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDDKK	9:30:00 AM	73205						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDDKK	11:30:00 AM	73206						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDDKK	1:30:00 PM	73207						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDDKK	3:30:00 PM	73208						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHKD	9:30:00 AM	73209						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHKD	11:30:00 AM	73210						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHKD	1:30:00 PM	73211						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHKD	3:30:00 PM	73212						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHUF	9:30:00 AM	73213						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	NZDHUF	11:30:00 AM	73214						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHUF	1:30:00 PM	73215						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDHUF	3:30:00 PM	73216						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY	9:30:00 AM	73217						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY	11:30:00 AM	73218						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY	1:30:00 PM	73219						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY	3:30:00 PM	73220						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY.fx	9:30:00 AM	73221						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY.fx	11:30:00 AM	73222						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY.fx	1:30:00 PM	73223						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDJPY.fx	3:30:00 PM	73224						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDMXN	9:30:00 AM	73225						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDMXN	11:30:00 AM	73226						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDMXN	1:30:00 PM	73227						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDMXN	3:30:00 PM	73228						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDNOK	9:30:00 AM	73229						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDNOK	11:30:00 AM	73230						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDNOK	1:30:00 PM	73231						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDNOK	3:30:00 PM	73232						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDPLN	9:30:00 AM	73233						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDPLN	11:30:00 AM	73234						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDPLN	1:30:00 PM	73235						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDPLN	3:30:00 PM	73236						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSEK	9:30:00 AM	73237						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSEK	11:30:00 AM	73238						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSEK	1:30:00 PM	73239						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSEK	3:30:00 PM	73240						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD	9:30:00 AM	73241						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD	11:30:00 AM	73242						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD	1:30:00 PM	73243						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD	3:30:00 PM	73244						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD.fx	9:30:00 AM	73245						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD.fx	11:30:00 AM	73246						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDSGD.fx	1:30:00 PM	73247						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	NZDSGD.fx	3:30:00 PM	73248						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD	9:30:00 AM	73249						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD	11:30:00 AM	73250						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD	1:30:00 PM	73251						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD	3:30:00 PM	73252						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD.fx	9:30:00 AM	73253						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD.fx	11:30:00 AM	73254						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD.fx	1:30:00 PM	73255						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDUSD.fx	3:30:00 PM	73256						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDZAR	9:30:00 AM	73257						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDZAR	11:30:00 AM	73258						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDZAR	1:30:00 PM	73259						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	NZDZAR	3:30:00 PM	73260						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY	9:30:00 AM	73261						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY	11:30:00 AM	73262						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY	1:30:00 PM	73263						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY	3:30:00 PM	73264						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY.fx	9:30:00 AM	73265						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY.fx	11:30:00 AM	73266						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY.fx	1:30:00 PM	73267						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SEKJPY.fx	3:30:00 PM	73268						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SGDJPY	9:30:00 AM	73269						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SGDJPY	11:30:00 AM	73270						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SGDJPY	1:30:00 PM	73271						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SGDJPY	3:30:00 PM	73272						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SILVER	9:30:00 AM	73273						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SILVER	11:30:00 AM	73274						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SILVER	1:30:00 PM	73275						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SILVER	3:30:00 PM	73276						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SPX500.i	9:30:00 AM	73277						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SPX500.i	11:30:00 AM	73278						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SPX500.i	1:30:00 PM	73279						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	SPX500.i	3:30:00 PM	73280						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	UK100.i	9:30:00 AM	73281						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	UK100.i	11:30:00 AM	73282						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	UK100.i	1:30:00 PM	73283						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	UK100.i	3:30:00 PM	73284						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD	9:30:00 AM	73285						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD	11:30:00 AM	73286						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD	1:30:00 PM	73287						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD	3:30:00 PM	73288						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD.fx	9:30:00 AM	73289						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD.fx	11:30:00 AM	73290						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD.fx	1:30:00 PM	73291						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCAD.fx	3:30:00 PM	73292						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF	9:30:00 AM	73293						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF	11:30:00 AM	73294						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF	1:30:00 PM	73295						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF	3:30:00 PM	73296						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF.fx	9:30:00 AM	73297						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF.fx	11:30:00 AM	73298						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF.fx	1:30:00 PM	73299						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCHF.fx	3:30:00 PM	73300						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK	9:30:00 AM	73301						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK	11:30:00 AM	73302						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK	1:30:00 PM	73303						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK	3:30:00 PM	73304						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK.fx	9:30:00 AM	73305						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK.fx	11:30:00 AM	73306						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK.fx	1:30:00 PM	73307						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDCZK.fx	3:30:00 PM	73308						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK	9:30:00 AM	73309						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK	11:30:00 AM	73310						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK	1:30:00 PM	73311						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK	3:30:00 PM	73312						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK.fx	9:30:00 AM	73313						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK.fx	11:30:00 AM	73314						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDDKK.fx	1:30:00 PM	73315						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	USDDKK.fx	3:30:00 PM	73316						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD	9:30:00 AM	73317						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD	11:30:00 AM	73318						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD	1:30:00 PM	73319						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD	3:30:00 PM	73320						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD.fx	9:30:00 AM	73321						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD.fx	11:30:00 AM	73322						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD.fx	1:30:00 PM	73323						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHKD.fx	3:30:00 PM	73324						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF	9:30:00 AM	73325						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF	11:30:00 AM	73326						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF	1:30:00 PM	73327						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF	3:30:00 PM	73328						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF.fx	9:30:00 AM	73329						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF.fx	11:30:00 AM	73330						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF.fx	1:30:00 PM	73331						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDHUF.fx	3:30:00 PM	73332						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDINR	9:30:00 AM	73333						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDINR	11:30:00 AM	73334						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDINR	1:30:00 PM	73335						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDINR	3:30:00 PM	73336						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY	9:30:00 AM	73337						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY	11:30:00 AM	73338						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY	1:30:00 PM	73339						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY	3:30:00 PM	73340						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY.fx	9:30:00 AM	73341						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY.fx	11:30:00 AM	73342						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY.fx	1:30:00 PM	73343						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDJPY.fx	3:30:00 PM	73344						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN	9:30:00 AM	73345						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN	11:30:00 AM	73346						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN	1:30:00 PM	73347						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN	3:30:00 PM	73348						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	JSDMXN.fx	9:30:00 AM	73349						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	USDMXN.fx	11:30:00 AM	73350						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN.fx	1:30:00 PM	73351						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDMXN.fx	3:30:00 PM	73352						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK	9:30:00 AM	73353						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK	11:30:00 AM	73354						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK	1:30:00 PM	73355						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK	3:30:00 PM	73356						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK.fx	9:30:00 AM	73357						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK.fx	11:30:00 AM	73358						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK.fx	1:30:00 PM	73359						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDNOK.fx	3:30:00 PM	73360						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN	9:30:00 AM	73361						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN	11:30:00 AM	73362						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN	1:30:00 PM	73363						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN	3:30:00 PM	73364						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN.fx	9:30:00 AM	73365						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN.fx	11:30:00 AM	73366						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN.fx	1:30:00 PM	73367						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDPLN.fx	3:30:00 PM	73368						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDRUB	9:30:00 AM	73369						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDRUB	11:30:00 AM	73370						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDRUB	1:30:00 PM	73371						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDRUB	3:30:00 PM	73372						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK	9:30:00 AM	73373						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK	11:30:00 AM	73374						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK	1:30:00 PM	73375						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK	3:30:00 PM	73376						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK.fx	9:30:00 AM	73377						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK.fx	11:30:00 AM	73378						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK.fx	1:30:00 PM	73379						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSEK.fx	3:30:00 PM	73380						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSGD	9:30:00 AM	73381						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSGD	11:30:00 AM	73382						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSGD	1:30:00 PM	73383						Continuous Quote	N/A	ELECTRONIC	N/A

12/1/2019	USDSGD	3:30:00 PM	73384						Continuous Quote	N/A	ELECTRONIC	N/A
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12/1/2019	USDSGD.fx	11:30:00 AM	73386						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSGD.fx	1:30:00 PM	73387						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDSGD.fx	3:30:00 PM	73388						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR	9:30:00 AM	73389						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR	11:30:00 AM	73390						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR	1:30:00 PM	73391						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR	3:30:00 PM	73392						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR.fx	9:30:00 AM	73393						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR.fx	11:30:00 AM	73394						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR.fx	1:30:00 PM	73395						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	USDZAR.fx	3:30:00 PM	73396						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	XAUUSD	9:30:00 AM	73397						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	XAUUSD	11:30:00 AM	73398						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	XAUUSD	1:30:00 PM	73399						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	XAUUSD	3:30:00 PM	73400						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY	9:30:00 AM	73401						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY	11:30:00 AM	73402						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY	1:30:00 PM	73403						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY	3:30:00 PM	73404						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY.fx	9:30:00 AM	73405						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY.fx	11:30:00 AM	73406						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY.fx	1:30:00 PM	73407						Continuous Quote	N/A	ELECTRONIC	N/A
12/1/2019	ZARJPY.fx	3:30:00 PM	73408						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#AA	11:30:00 AM	73410						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AA	1:30:00 PM	73411						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AA	3:30:00 PM	73412						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AABA	9:30:00 AM	73413						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#AABA	1:30:00 PM	73415						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AABA	3:30:00 PM	73416						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AAL	9:30:00 AM	73417						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	#AAL	11:30:00 AM	73418						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AAL	1:30:00 PM	73419						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AAL	3:30:00 PM	73420						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#AAPL	11:30:00 AM	73422						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AAPL	1:30:00 PM	73423						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AAPL	3:30:00 PM	73424						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#ADBE	11:30:00 AM	73426						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#ADBE	1:30:00 PM	73427						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#ADBE	3:30:00 PM	73428						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AIG	9:30:00 AM	73429						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AIG	11:30:00 AM	73430						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AIG	1:30:00 PM	73431						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AIG	3:30:00 PM	73432						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AMD	9:30:00 AM	73433						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#AMD	1:30:00 PM	73435						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AMD	3:30:00 PM	73436						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AMZN	9:30:00 AM	73437						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AMZN	11:30:00 AM	73438						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#AXP	9:30:00 AM	73441						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#AXP	11:30:00 AM	73442						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BA	9:30:00 AM	73445						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BA	11:30:00 AM	73446						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BA	1:30:00 PM	73447						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BA	3:30:00 PM	73448						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BABA	9:30:00 AM	73449						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BABA	11:30:00 AM	73450						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BABA	1:30:00 PM	73451						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	#BABA	3:30:00 PM	73452						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BAC	9:30:00 AM	73453						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BAC	11:30:00 AM	73454						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BAC	1:30:00 PM	73455						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BAC	3:30:00 PM	73456						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BARC	3:30:00 PM	73460						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BHP	9:30:00 AM	73461						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BHP	11:30:00 AM	73462						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BHP	1:30:00 PM	73463						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BHP	3:30:00 PM	73464						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BIDU	9:30:00 AM	73465						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#Bitcoin	1:30:00 PM	73471						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BK	9:30:00 AM	73473						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BK	11:30:00 AM	73474						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BLT	9:30:00 AM	73477						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BP	3:30:00 PM	73484						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#BTA	11:30:00 AM	73486						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BTA	1:30:00 PM	73487						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#BTA	3:30:00 PM	73488						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#C	9:30:00 AM	73489						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#C	11:30:00 AM	73490						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#C	1:30:00 PM	73491						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#C	3:30:00 PM	73492						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#CL.f	1:30:00 PM	73503						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#CL.f	3:30:00 PM	73504						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#CMCSA	9:30:00 AM	73505						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#CMCSA	1:30:00 PM	73507						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#CMCSA	3:30:00 PM	73508						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#CSCO	9:30:00 AM	73509						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#CSCO	11:30:00 AM	73510						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#CVX	3:30:00 PM	73516						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#DD	9:30:00 AM	73517						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#DD	11:30:00 AM	73518						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#DD	1:30:00 PM	73519						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	#DD	3:30:00 PM	73520						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#DIS	9:30:00 AM	73521						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#DIS	11:30:00 AM	73522						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#DWDP	9:30:00 AM	73525						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#F	11:30:00 AM	73538						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#F	3:30:00 PM	73540						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	#FB	9:30:00 AM	73541						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#FB	1:30:00 PM	73543						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	#FCX	9:30:00 AM	73545						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	AUS200.i	9:30:00 AM	73945						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	AUS200.i	11:30:00 AM	73946						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	AUS200.i	1:30:00 PM	73947						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	AUS200.i	3:30:00 PM	73948						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	BCHUSD	9:30:00 AM	73949						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	BCHUSD	11:30:00 AM	73950						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	BCHUSD	1:30:00 PM	73951						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	BCHUSD	3:30:00 PM	73952						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF	9:30:00 AM	73953						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF	11:30:00 AM	73954						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF	1:30:00 PM	73955						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF	3:30:00 PM	73956						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF.fx	9:30:00 AM	73957						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF.fx	11:30:00 AM	73958						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF.fx	1:30:00 PM	73959						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCHF.fx	3:30:00 PM	73960						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCZK	9:30:00 AM	73961						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	CADCZK	11:30:00 AM	73962						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCZK	1:30:00 PM	73963						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADCZK	3:30:00 PM	73964						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADDDK	9:30:00 AM	73965						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADDDK	11:30:00 AM	73966						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADDDK	1:30:00 PM	73967						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADDDK	3:30:00 PM	73968						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHKD	9:30:00 AM	73969						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHKD	11:30:00 AM	73970						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHKD	1:30:00 PM	73971						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHKD	3:30:00 PM	73972						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHUF	9:30:00 AM	73973						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHUF	11:30:00 AM	73974						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHUF	1:30:00 PM	73975						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADHUF	3:30:00 PM	73976						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY	9:30:00 AM	73977						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY	11:30:00 AM	73978						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY	1:30:00 PM	73979						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY	3:30:00 PM	73980						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY.fx	9:30:00 AM	73981						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY.fx	11:30:00 AM	73982						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY.fx	1:30:00 PM	73983						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADJPY.fx	3:30:00 PM	73984						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADMXN	9:30:00 AM	73985						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADMXN	11:30:00 AM	73986						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADMXN	1:30:00 PM	73987						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADMXN	3:30:00 PM	73988						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADNOK	9:30:00 AM	73989						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADNOK	11:30:00 AM	73990						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADNOK	1:30:00 PM	73991						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADNOK	3:30:00 PM	73992						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADPLN	9:30:00 AM	73993						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADPLN	11:30:00 AM	73994						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADPLN	1:30:00 PM	73995						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	CADPLN	3:30:00 PM	73996						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSEK	9:30:00 AM	73997						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSEK	11:30:00 AM	73998						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSEK	1:30:00 PM	73999						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSEK	3:30:00 PM	74000						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSGD	9:30:00 AM	74001						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSGD	11:30:00 AM	74002						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSGD	1:30:00 PM	74003						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADSGD	3:30:00 PM	74004						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADZAR	9:30:00 AM	74005						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADZAR	11:30:00 AM	74006						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADZAR	1:30:00 PM	74007						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CADZAR	3:30:00 PM	74008						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFCZK	9:30:00 AM	74009						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFCZK	11:30:00 AM	74010						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFCZK	1:30:00 PM	74011						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFCZK	3:30:00 PM	74012						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK	9:30:00 AM	74013						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK	11:30:00 AM	74014						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK	1:30:00 PM	74015						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK	3:30:00 PM	74016						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK.fx	9:30:00 AM	74017						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK.fx	11:30:00 AM	74018						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK.fx	1:30:00 PM	74019						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFDKK.fx	3:30:00 PM	74020						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHKD	9:30:00 AM	74021						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHKD	11:30:00 AM	74022						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHKD	1:30:00 PM	74023						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHKD	3:30:00 PM	74024						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHUF	9:30:00 AM	74025						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHUF	11:30:00 AM	74026						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHUF	1:30:00 PM	74027						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFHUF	3:30:00 PM	74028						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY	9:30:00 AM	74029						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	CHFJPY	11:30:00 AM	74030						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY	1:30:00 PM	74031						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY	3:30:00 PM	74032						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY.fx	9:30:00 AM	74033						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY.fx	11:30:00 AM	74034						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY.fx	1:30:00 PM	74035						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFJPY.fx	3:30:00 PM	74036						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFMXN	9:30:00 AM	74037						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFMXN	11:30:00 AM	74038						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFMXN	1:30:00 PM	74039						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFMXN	3:30:00 PM	74040						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK	9:30:00 AM	74041						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK	11:30:00 AM	74042						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK	1:30:00 PM	74043						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK	3:30:00 PM	74044						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK.fx	9:30:00 AM	74045						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK.fx	11:30:00 AM	74046						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK.fx	1:30:00 PM	74047						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFNOK.fx	3:30:00 PM	74048						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN	9:30:00 AM	74049						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN	11:30:00 AM	74050						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN	1:30:00 PM	74051						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN	3:30:00 PM	74052						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN.fx	9:30:00 AM	74053						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN.fx	11:30:00 AM	74054						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN.fx	1:30:00 PM	74055						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFPLN.fx	3:30:00 PM	74056						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSEK	9:30:00 AM	74057						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSEK	11:30:00 AM	74058						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSEK	1:30:00 PM	74059						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSEK	3:30:00 PM	74060						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD	9:30:00 AM	74061						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD	11:30:00 AM	74062						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD	1:30:00 PM	74063						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	CHFSGD	3:30:00 PM	74064						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD.fx	9:30:00 AM	74065						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD.fx	11:30:00 AM	74066						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD.fx	1:30:00 PM	74067						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFSGD.fx	3:30:00 PM	74068						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFZAR	9:30:00 AM	74069						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFZAR	11:30:00 AM	74070						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFZAR	1:30:00 PM	74071						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CHFZAR	3:30:00 PM	74072						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CZKJPY	9:30:00 AM	74073						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CZKJPY	11:30:00 AM	74074						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CZKJPY	1:30:00 PM	74075						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	CZKJPY	3:30:00 PM	74076						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DAX30.i	9:30:00 AM	74077						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DAX30.i	11:30:00 AM	74078						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DAX30.i	1:30:00 PM	74079						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DAX30.i	3:30:00 PM	74080						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DJ30.i	9:30:00 AM	74081						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DJ30.i	11:30:00 AM	74082						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DJ30.i	1:30:00 PM	74083						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DJ30.i	3:30:00 PM	74084						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DKKJPY	9:30:00 AM	74085						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DKKJPY	11:30:00 AM	74086						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DKKJPY	1:30:00 PM	74087						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	DKKJPY	3:30:00 PM	74088						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD	9:30:00 AM	74089						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD	11:30:00 AM	74090						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD	1:30:00 PM	74091						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD	3:30:00 PM	74092						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD.fx	9:30:00 AM	74093						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD.fx	11:30:00 AM	74094						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD.fx	1:30:00 PM	74095						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURAUD.fx	3:30:00 PM	74096						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD	9:30:00 AM	74097						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	EURCAD	11:30:00 AM	74098						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD	1:30:00 PM	74099						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD	3:30:00 PM	74100						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD.fx	9:30:00 AM	74101						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD.fx	11:30:00 AM	74102						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD.fx	1:30:00 PM	74103						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCAD.fx	3:30:00 PM	74104						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF	9:30:00 AM	74105						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF	11:30:00 AM	74106						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF	1:30:00 PM	74107						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF	3:30:00 PM	74108						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF.fx	9:30:00 AM	74109						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF.fx	11:30:00 AM	74110						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF.fx	1:30:00 PM	74111						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCHF.fx	3:30:00 PM	74112						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCZK	9:30:00 AM	74113						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCZK	11:30:00 AM	74114						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCZK	1:30:00 PM	74115						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURCZK	3:30:00 PM	74116						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURDKK	9:30:00 AM	74117						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURDKK	11:30:00 AM	74118						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURDKK	1:30:00 PM	74119						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURDKK	3:30:00 PM	74120						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP	9:30:00 AM	74121						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP	11:30:00 AM	74122						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP	1:30:00 PM	74123						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP	3:30:00 PM	74124						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP.fx	9:30:00 AM	74125						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP.fx	11:30:00 AM	74126						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP.fx	1:30:00 PM	74127						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURGBP.fx	3:30:00 PM	74128						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD	9:30:00 AM	74129						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD	11:30:00 AM	74130						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD	1:30:00 PM	74131						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	EURHKD	3:30:00 PM	74132						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD.fx	9:30:00 AM	74133						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD.fx	11:30:00 AM	74134						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD.fx	1:30:00 PM	74135						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHKD.fx	3:30:00 PM	74136						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF	9:30:00 AM	74137						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF	11:30:00 AM	74138						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF	1:30:00 PM	74139						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF	3:30:00 PM	74140						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF.fx	9:30:00 AM	74141						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF.fx	11:30:00 AM	74142						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF.fx	1:30:00 PM	74143						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURHUF.fx	3:30:00 PM	74144						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY	9:30:00 AM	74145						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY	11:30:00 AM	74146						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY	1:30:00 PM	74147						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY	3:30:00 PM	74148						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY.fx	9:30:00 AM	74149						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY.fx	11:30:00 AM	74150						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY.fx	1:30:00 PM	74151						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURJPY.fx	3:30:00 PM	74152						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN	9:30:00 AM	74153						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN	11:30:00 AM	74154						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN	1:30:00 PM	74155						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN	3:30:00 PM	74156						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN.fx	9:30:00 AM	74157						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN.fx	11:30:00 AM	74158						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN.fx	1:30:00 PM	74159						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURMXN.fx	3:30:00 PM	74160						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK	9:30:00 AM	74161						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK	11:30:00 AM	74162						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK	1:30:00 PM	74163						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK	3:30:00 PM	74164						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK.fx	9:30:00 AM	74165						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	EURNOK.fx	11:30:00 AM	74166						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK.fx	1:30:00 PM	74167						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNOK.fx	3:30:00 PM	74168						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD	9:30:00 AM	74169						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD	11:30:00 AM	74170						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD	1:30:00 PM	74171						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD	3:30:00 PM	74172						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD.fx	9:30:00 AM	74173						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD.fx	11:30:00 AM	74174						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD.fx	1:30:00 PM	74175						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURNZD.fx	3:30:00 PM	74176						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN	9:30:00 AM	74177						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN	11:30:00 AM	74178						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN	1:30:00 PM	74179						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN	3:30:00 PM	74180						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN.fx	9:30:00 AM	74181						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN.fx	11:30:00 AM	74182						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN.fx	1:30:00 PM	74183						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURPLN.fx	3:30:00 PM	74184						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURRUB	9:30:00 AM	74185						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURRUB	11:30:00 AM	74186						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURRUB	1:30:00 PM	74187						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURRUB	3:30:00 PM	74188						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK	9:30:00 AM	74189						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK	11:30:00 AM	74190						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK	1:30:00 PM	74191						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK	3:30:00 PM	74192						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK.fx	9:30:00 AM	74193						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK.fx	11:30:00 AM	74194						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK.fx	1:30:00 PM	74195						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSEK.fx	3:30:00 PM	74196						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD	9:30:00 AM	74197						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD	11:30:00 AM	74198						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD	1:30:00 PM	74199						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	EURSGD	3:30:00 PM	74200						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD.fx	9:30:00 AM	74201						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD.fx	11:30:00 AM	74202						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD.fx	1:30:00 PM	74203						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURSGD.fx	3:30:00 PM	74204						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD	9:30:00 AM	74205						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD	11:30:00 AM	74206						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD	1:30:00 PM	74207						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD	3:30:00 PM	74208						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD.fx	9:30:00 AM	74209						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD.fx	11:30:00 AM	74210						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD.fx	1:30:00 PM	74211						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURUSD.fx	3:30:00 PM	74212						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR	9:30:00 AM	74213						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR	11:30:00 AM	74214						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR	1:30:00 PM	74215						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR	3:30:00 PM	74216						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR.fx	9:30:00 AM	74217						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR.fx	11:30:00 AM	74218						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR.fx	1:30:00 PM	74219						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	EURZAR.fx	3:30:00 PM	74220						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD	9:30:00 AM	74221						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD	11:30:00 AM	74222						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD	1:30:00 PM	74223						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD	3:30:00 PM	74224						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD.fx	9:30:00 AM	74225						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD.fx	11:30:00 AM	74226						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD.fx	1:30:00 PM	74227						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPAUD.fx	3:30:00 PM	74228						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD	9:30:00 AM	74229						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD	11:30:00 AM	74230						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD	1:30:00 PM	74231						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD	3:30:00 PM	74232						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD.fx	9:30:00 AM	74233						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	GBPCAD.fx	11:30:00 AM	74234						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD.fx	1:30:00 PM	74235						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCAD.fx	3:30:00 PM	74236						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF	9:30:00 AM	74237						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF	11:30:00 AM	74238						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF	1:30:00 PM	74239						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF	3:30:00 PM	74240						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF.fx	9:30:00 AM	74241						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF.fx	11:30:00 AM	74242						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF.fx	1:30:00 PM	74243						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCHF.fx	3:30:00 PM	74244						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCZK	9:30:00 AM	74245						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCZK	11:30:00 AM	74246						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCZK	1:30:00 PM	74247						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPCZK	3:30:00 PM	74248						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK	9:30:00 AM	74249						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK	11:30:00 AM	74250						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK	1:30:00 PM	74251						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK	3:30:00 PM	74252						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK.fx	9:30:00 AM	74253						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK.fx	11:30:00 AM	74254						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK.fx	1:30:00 PM	74255						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPDKK.fx	3:30:00 PM	74256						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHKD	9:30:00 AM	74257						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHKD	11:30:00 AM	74258						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHKD	1:30:00 PM	74259						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHKD	3:30:00 PM	74260						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHUF	9:30:00 AM	74261						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHUF	11:30:00 AM	74262						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHUF	1:30:00 PM	74263						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPHUF	3:30:00 PM	74264						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY	9:30:00 AM	74265						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY	11:30:00 AM	74266						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY	1:30:00 PM	74267						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	GBPJPY	3:30:00 PM	74268						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY.fx	9:30:00 AM	74269						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY.fx	11:30:00 AM	74270						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY.fx	1:30:00 PM	74271						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPJPY.fx	3:30:00 PM	74272						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPMXN	9:30:00 AM	74273						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPMXN	11:30:00 AM	74274						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPMXN	1:30:00 PM	74275						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPMXN	3:30:00 PM	74276						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK	9:30:00 AM	74277						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK	11:30:00 AM	74278						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK	1:30:00 PM	74279						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK	3:30:00 PM	74280						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK.fx	9:30:00 AM	74281						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK.fx	11:30:00 AM	74282						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK.fx	1:30:00 PM	74283						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNOK.fx	3:30:00 PM	74284						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD	9:30:00 AM	74285						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD	11:30:00 AM	74286						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD	1:30:00 PM	74287						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD	3:30:00 PM	74288						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD.fx	9:30:00 AM	74289						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD.fx	11:30:00 AM	74290						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD.fx	1:30:00 PM	74291						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPNZD.fx	3:30:00 PM	74292						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN	9:30:00 AM	74293						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN	11:30:00 AM	74294						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN	1:30:00 PM	74295						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN	3:30:00 PM	74296						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN.fx	9:30:00 AM	74297						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN.fx	11:30:00 AM	74298						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN.fx	1:30:00 PM	74299						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPPLN.fx	3:30:00 PM	74300						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK	9:30:00 AM	74301						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	GBPSEK	11:30:00 AM	74302						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK	1:30:00 PM	74303						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK	3:30:00 PM	74304						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK.fx	9:30:00 AM	74305						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK.fx	11:30:00 AM	74306						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK.fx	1:30:00 PM	74307						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSEK.fx	3:30:00 PM	74308						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD	9:30:00 AM	74309						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD	11:30:00 AM	74310						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD	1:30:00 PM	74311						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD	3:30:00 PM	74312						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD.fx	9:30:00 AM	74313						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD.fx	11:30:00 AM	74314						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD.fx	1:30:00 PM	74315						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPSGD.fx	3:30:00 PM	74316						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD	9:30:00 AM	74317						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD	11:30:00 AM	74318						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD	1:30:00 PM	74319						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD	3:30:00 PM	74320						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD.fx	9:30:00 AM	74321						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD.fx	11:30:00 AM	74322						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD.fx	1:30:00 PM	74323						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPUSD.fx	3:30:00 PM	74324						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR	9:30:00 AM	74325						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR	11:30:00 AM	74326						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR	1:30:00 PM	74327						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR	3:30:00 PM	74328						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR.fx	9:30:00 AM	74329						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR.fx	11:30:00 AM	74330						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR.fx	1:30:00 PM	74331						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GBPZAR.fx	3:30:00 PM	74332						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GOLD	9:30:00 AM	74333						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GOLD	11:30:00 AM	74334						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	GOLD	1:30:00 PM	74335						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	GOLD	3:30:00 PM	74336						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY	9:30:00 AM	74337						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY	11:30:00 AM	74338						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY	1:30:00 PM	74339						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY	3:30:00 PM	74340						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY.fx	9:30:00 AM	74341						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY.fx	11:30:00 AM	74342						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY.fx	1:30:00 PM	74343						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HKDJPY.fx	3:30:00 PM	74344						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HUFJPY	9:30:00 AM	74345						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HUFJPY	11:30:00 AM	74346						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HUFJPY	1:30:00 PM	74347						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	HUFJPY	3:30:00 PM	74348						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JP225.i	9:30:00 AM	74349						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JP225.i	11:30:00 AM	74350						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JP225.i	1:30:00 PM	74351						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JP225.i	3:30:00 PM	74352						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	MXNJPY	9:30:00 AM	74353						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	MXNJPY	11:30:00 AM	74354						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	MXNJPY	1:30:00 PM	74355						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	MXNJPY	3:30:00 PM	74356						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NASDAQ.i	9:30:00 AM	74357						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NASDAQ.i	11:30:00 AM	74358						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NASDAQ.i	1:30:00 PM	74359						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NASDAQ.i	3:30:00 PM	74360						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY	9:30:00 AM	74361						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY	11:30:00 AM	74362						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY	1:30:00 PM	74363						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY	3:30:00 PM	74364						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY.fx	9:30:00 AM	74365						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY.fx	11:30:00 AM	74366						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY.fx	1:30:00 PM	74367						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NOKJPY.fx	3:30:00 PM	74368						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD	9:30:00 AM	74369						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	NZDCAD	11:30:00 AM	74370						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD	1:30:00 PM	74371						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD	3:30:00 PM	74372						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD.fx	9:30:00 AM	74373						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD.fx	11:30:00 AM	74374						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD.fx	1:30:00 PM	74375						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCAD.fx	3:30:00 PM	74376						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF	9:30:00 AM	74377						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF	11:30:00 AM	74378						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF	1:30:00 PM	74379						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF	3:30:00 PM	74380						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF.fx	9:30:00 AM	74381						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF.fx	11:30:00 AM	74382						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF.fx	1:30:00 PM	74383						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCHF.fx	3:30:00 PM	74384						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCZK	9:30:00 AM	74385						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCZK	11:30:00 AM	74386						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCZK	1:30:00 PM	74387						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDCZK	3:30:00 PM	74388						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDDKK	9:30:00 AM	74389						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDDKK	11:30:00 AM	74390						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDDKK	1:30:00 PM	74391						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDDKK	3:30:00 PM	74392						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHKD	9:30:00 AM	74393						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHKD	11:30:00 AM	74394						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHKD	1:30:00 PM	74395						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHKD	3:30:00 PM	74396						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHUF	9:30:00 AM	74397						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHUF	11:30:00 AM	74398						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHUF	1:30:00 PM	74399						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDHUF	3:30:00 PM	74400						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY	9:30:00 AM	74401						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY	11:30:00 AM	74402						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY	1:30:00 PM	74403						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	NZDJPY	3:30:00 PM	74404						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY.fx	9:30:00 AM	74405						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY.fx	11:30:00 AM	74406						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY.fx	1:30:00 PM	74407						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDJPY.fx	3:30:00 PM	74408						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDMXN	9:30:00 AM	74409						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDMXN	11:30:00 AM	74410						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDMXN	1:30:00 PM	74411						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDMXN	3:30:00 PM	74412						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDNOK	9:30:00 AM	74413						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDNOK	11:30:00 AM	74414						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDNOK	1:30:00 PM	74415						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDNOK	3:30:00 PM	74416						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDPLN	9:30:00 AM	74417						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDPLN	11:30:00 AM	74418						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDPLN	1:30:00 PM	74419						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDPLN	3:30:00 PM	74420						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSEK	9:30:00 AM	74421						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSEK	11:30:00 AM	74422						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSEK	1:30:00 PM	74423						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSEK	3:30:00 PM	74424						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD	9:30:00 AM	74425						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD	11:30:00 AM	74426						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD	1:30:00 PM	74427						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD	3:30:00 PM	74428						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD.fx	9:30:00 AM	74429						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD.fx	11:30:00 AM	74430						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD.fx	1:30:00 PM	74431						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDSGD.fx	3:30:00 PM	74432						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD	9:30:00 AM	74433						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD	11:30:00 AM	74434						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD	1:30:00 PM	74435						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD	3:30:00 PM	74436						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD.fx	9:30:00 AM	74437						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	NZDUSD.fx	11:30:00 AM	74438						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD.fx	1:30:00 PM	74439						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDUSD.fx	3:30:00 PM	74440						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDZAR	9:30:00 AM	74441						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDZAR	11:30:00 AM	74442						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDZAR	1:30:00 PM	74443						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	NZDZAR	3:30:00 PM	74444						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY	9:30:00 AM	74445						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY	11:30:00 AM	74446						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY	1:30:00 PM	74447						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY	3:30:00 PM	74448						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY.fx	9:30:00 AM	74449						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY.fx	11:30:00 AM	74450						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY.fx	1:30:00 PM	74451						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SEKJPY.fx	3:30:00 PM	74452						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SGDJPY	9:30:00 AM	74453						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SGDJPY	11:30:00 AM	74454						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SGDJPY	1:30:00 PM	74455						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SGDJPY	3:30:00 PM	74456						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SILVER	9:30:00 AM	74457						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SILVER	11:30:00 AM	74458						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SILVER	1:30:00 PM	74459						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SILVER	3:30:00 PM	74460						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SPX500.i	9:30:00 AM	74461						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SPX500.i	11:30:00 AM	74462						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SPX500.i	1:30:00 PM	74463						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	SPX500.i	3:30:00 PM	74464						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	UK100.i	9:30:00 AM	74465						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	UK100.i	11:30:00 AM	74466						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	UK100.i	1:30:00 PM	74467						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	UK100.i	3:30:00 PM	74468						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD	9:30:00 AM	74469						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD	11:30:00 AM	74470						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD	1:30:00 PM	74471						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	USDCAD	3:30:00 PM	74472						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD.fx	9:30:00 AM	74473						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD.fx	11:30:00 AM	74474						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD.fx	1:30:00 PM	74475						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCAD.fx	3:30:00 PM	74476						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE	9:30:00 AM	74477						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE	11:30:00 AM	74478						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE	1:30:00 PM	74479						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE	3:30:00 PM	74480						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE.fx	9:30:00 AM	74481						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE.fx	11:30:00 AM	74482						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE.fx	1:30:00 PM	74483						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCHE.fx	3:30:00 PM	74484						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK	9:30:00 AM	74485						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK	11:30:00 AM	74486						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK	1:30:00 PM	74487						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK	3:30:00 PM	74488						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK.fx	9:30:00 AM	74489						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK.fx	11:30:00 AM	74490						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK.fx	1:30:00 PM	74491						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDCZK.fx	3:30:00 PM	74492						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK	9:30:00 AM	74493						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK	11:30:00 AM	74494						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK	1:30:00 PM	74495						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK	3:30:00 PM	74496						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK.fx	9:30:00 AM	74497						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK.fx	11:30:00 AM	74498						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK.fx	1:30:00 PM	74499						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDDKK.fx	3:30:00 PM	74500						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD	9:30:00 AM	74501						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD	11:30:00 AM	74502						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD	1:30:00 PM	74503						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD	3:30:00 PM	74504						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD.fx	9:30:00 AM	74505						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	USDHKD.fx	11:30:00 AM	74506						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD.fx	1:30:00 PM	74507						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHKD.fx	3:30:00 PM	74508						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF	9:30:00 AM	74509						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF	11:30:00 AM	74510						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF	1:30:00 PM	74511						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF	3:30:00 PM	74512						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF.fx	9:30:00 AM	74513						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF.fx	11:30:00 AM	74514						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF.fx	1:30:00 PM	74515						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDHUF.fx	3:30:00 PM	74516						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDINR	9:30:00 AM	74517						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDINR	11:30:00 AM	74518						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDINR	1:30:00 PM	74519						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDINR	3:30:00 PM	74520						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY	9:30:00 AM	74521						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY	11:30:00 AM	74522						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY	1:30:00 PM	74523						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY	3:30:00 PM	74524						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY.fx	9:30:00 AM	74525						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY.fx	11:30:00 AM	74526						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY.fx	1:30:00 PM	74527						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDJPY.fx	3:30:00 PM	74528						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDMXN	9:30:00 AM	74529						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDMXN	11:30:00 AM	74530						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDMXN	1:30:00 PM	74531						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDMXN	3:30:00 PM	74532						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JSDMXN.fx	9:30:00 AM	74533						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JSDMXN.fx	11:30:00 AM	74534						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JSDMXN.fx	1:30:00 PM	74535						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	JSDMXN.fx	3:30:00 PM	74536						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK	9:30:00 AM	74537						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK	11:30:00 AM	74538						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK	1:30:00 PM	74539						Continuous Quote	N/A	ELECTRONIC	N/A

12/2/2019	USDNOK	3:30:00 PM	74540						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK.fx	9:30:00 AM	74541						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK.fx	11:30:00 AM	74542						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK.fx	1:30:00 PM	74543						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDNOK.fx	3:30:00 PM	74544						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDPLN	1:30:00 PM	74547						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDPLN	3:30:00 PM	74548						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDPLN.fx	9:30:00 AM	74549						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDPLN.fx	11:30:00 AM	74550						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDPLN.fx	3:30:00 PM	74552						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDRUB	9:30:00 AM	74553						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDRUB	11:30:00 AM	74554						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDRUB	1:30:00 PM	74555						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDRUB	3:30:00 PM	74556						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK	9:30:00 AM	74557						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK	11:30:00 AM	74558						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK	1:30:00 PM	74559						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK	3:30:00 PM	74560						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK.fx	9:30:00 AM	74561						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSEK.fx	11:30:00 AM	74562						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDSEK.fx	3:30:00 PM	74564						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDSGD	1:30:00 PM	74567						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDSGD	3:30:00 PM	74568						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDZAR	11:30:00 AM	74574						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDZAR	1:30:00 PM	74575						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDZAR	3:30:00 PM	74576						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	USDZAR.fx	9:30:00 AM	74577						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	USDZAR.fx	3:30:00 PM	74580						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	XAUUSD	9:30:00 AM	74581						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	XAUUSD	11:30:00 AM	74582						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	XAUUSD	1:30:00 PM	74583						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	XAUUSD	3:30:00 PM	74584						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	ZARJPY	9:30:00 AM	74585						Continuous Quote	N/A	ELECTRONIC	N/A
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12/2/2019	ZARJPY	1:30:00 PM	74587						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	ZARJPY	3:30:00 PM	74588						Continuous Quote	N/A	ELECTRONIC	N/A
12/2/2019	ZARJPY.fx	9:30:00 AM	74589						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#AAPL	11:30:00 AM	74606						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#AAPL	3:30:00 PM	74608						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#ADBE	11:30:00 AM	74610						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#ADBE	3:30:00 PM	74612						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#AIG	3:30:00 PM	74616						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#AMD	9:30:00 AM	74617						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BAC	3:30:00 PM	74640						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BARC	3:30:00 PM	74644						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BHP	11:30:00 AM	74646						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BHP	1:30:00 PM	74647						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BHP	3:30:00 PM	74648						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BIDU	11:30:00 AM	74650						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BIDU	1:30:00 PM	74651						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BK	3:30:00 PM	74660						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BLT	9:30:00 AM	74661						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BLT	11:30:00 AM	74662						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#BLT	1:30:00 PM	74663						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#BP	9:30:00 AM	74665						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#DIS	1:30:00 PM	74707						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	#F	11:30:00 AM	74722						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#F	1:30:00 PM	74723						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	#F	3:30:00 PM	74724						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	AUDUSD.fx	1:30:00 PM	75123						Continuous Quote	N/A	ELECTRONIC	N/A
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12/3/2019	AUDZAR	9:30:00 AM	75125						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUDZAR	11:30:00 AM	75126						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUDZAR	1:30:00 PM	75127						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUDZAR	3:30:00 PM	75128						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUS200.i	9:30:00 AM	75129						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUS200.i	11:30:00 AM	75130						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUS200.i	1:30:00 PM	75131						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	AUS200.i	3:30:00 PM	75132						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	BCHUSD	9:30:00 AM	75133						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	BCHUSD	11:30:00 AM	75134						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	BCHUSD	1:30:00 PM	75135						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	BCHUSD	3:30:00 PM	75136						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF	9:30:00 AM	75137						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF	11:30:00 AM	75138						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF	1:30:00 PM	75139						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF	3:30:00 PM	75140						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF.fx	9:30:00 AM	75141						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF.fx	11:30:00 AM	75142						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF.fx	1:30:00 PM	75143						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCHF.fx	3:30:00 PM	75144						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCZK	9:30:00 AM	75145						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCZK	11:30:00 AM	75146						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCZK	1:30:00 PM	75147						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADCZK	3:30:00 PM	75148						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADDDKK	9:30:00 AM	75149						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADDDKK	11:30:00 AM	75150						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADDDKK	1:30:00 PM	75151						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	CADDKK	3:30:00 PM	75152						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHKD	9:30:00 AM	75153						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHKD	11:30:00 AM	75154						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHKD	1:30:00 PM	75155						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHKD	3:30:00 PM	75156						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHUF	9:30:00 AM	75157						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHUF	11:30:00 AM	75158						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHUF	1:30:00 PM	75159						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADHUF	3:30:00 PM	75160						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY	9:30:00 AM	75161						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY	11:30:00 AM	75162						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY	1:30:00 PM	75163						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY	3:30:00 PM	75164						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY.fx	9:30:00 AM	75165						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY.fx	11:30:00 AM	75166						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY.fx	1:30:00 PM	75167						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADJPY.fx	3:30:00 PM	75168						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADMXN	9:30:00 AM	75169						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADMXN	11:30:00 AM	75170						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADMXN	1:30:00 PM	75171						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADMXN	3:30:00 PM	75172						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADNOK	9:30:00 AM	75173						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADNOK	11:30:00 AM	75174						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADNOK	1:30:00 PM	75175						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADNOK	3:30:00 PM	75176						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADPLN	9:30:00 AM	75177						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADPLN	11:30:00 AM	75178						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADPLN	1:30:00 PM	75179						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADPLN	3:30:00 PM	75180						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSEK	9:30:00 AM	75181						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSEK	11:30:00 AM	75182						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSEK	1:30:00 PM	75183						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSEK	3:30:00 PM	75184						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSGD	9:30:00 AM	75185						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	CADSGD	11:30:00 AM	75186						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSGD	1:30:00 PM	75187						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADSGD	3:30:00 PM	75188						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADZAR	9:30:00 AM	75189						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADZAR	11:30:00 AM	75190						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADZAR	1:30:00 PM	75191						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CADZAR	3:30:00 PM	75192						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFCZK	9:30:00 AM	75193						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFCZK	11:30:00 AM	75194						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFCZK	1:30:00 PM	75195						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFCZK	3:30:00 PM	75196						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK	9:30:00 AM	75197						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK	11:30:00 AM	75198						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK	1:30:00 PM	75199						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK	3:30:00 PM	75200						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK.fx	9:30:00 AM	75201						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK.fx	11:30:00 AM	75202						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK.fx	1:30:00 PM	75203						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFDKK.fx	3:30:00 PM	75204						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHKD	9:30:00 AM	75205						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHKD	11:30:00 AM	75206						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHKD	1:30:00 PM	75207						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHKD	3:30:00 PM	75208						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHUF	9:30:00 AM	75209						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHUF	11:30:00 AM	75210						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHUF	1:30:00 PM	75211						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFHUF	3:30:00 PM	75212						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY	9:30:00 AM	75213						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY	11:30:00 AM	75214						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY	1:30:00 PM	75215						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY	3:30:00 PM	75216						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY.fx	9:30:00 AM	75217						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY.fx	11:30:00 AM	75218						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFJPY.fx	1:30:00 PM	75219						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	CHFJPY.fx	3:30:00 PM	75220						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFMXN	9:30:00 AM	75221						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFMXN	11:30:00 AM	75222						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFMXN	1:30:00 PM	75223						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFMXN	3:30:00 PM	75224						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK	9:30:00 AM	75225						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK	11:30:00 AM	75226						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK	1:30:00 PM	75227						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK	3:30:00 PM	75228						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK.fx	9:30:00 AM	75229						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK.fx	11:30:00 AM	75230						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK.fx	1:30:00 PM	75231						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFNOK.fx	3:30:00 PM	75232						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN	9:30:00 AM	75233						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN	11:30:00 AM	75234						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN	1:30:00 PM	75235						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN	3:30:00 PM	75236						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN.fx	9:30:00 AM	75237						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN.fx	11:30:00 AM	75238						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN.fx	1:30:00 PM	75239						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFPLN.fx	3:30:00 PM	75240						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSEK	9:30:00 AM	75241						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSEK	11:30:00 AM	75242						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSEK	1:30:00 PM	75243						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSEK	3:30:00 PM	75244						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD	9:30:00 AM	75245						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD	11:30:00 AM	75246						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD	1:30:00 PM	75247						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD	3:30:00 PM	75248						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD.fx	9:30:00 AM	75249						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD.fx	11:30:00 AM	75250						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD.fx	1:30:00 PM	75251						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFSGD.fx	3:30:00 PM	75252						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFZAR	9:30:00 AM	75253						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	CHFZAR	11:30:00 AM	75254						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFZAR	1:30:00 PM	75255						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CHFZAR	3:30:00 PM	75256						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CZKJPY	9:30:00 AM	75257						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CZKJPY	11:30:00 AM	75258						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CZKJPY	1:30:00 PM	75259						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	CZKJPY	3:30:00 PM	75260						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DAX30.i	9:30:00 AM	75261						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DAX30.i	11:30:00 AM	75262						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DAX30.i	1:30:00 PM	75263						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DAX30.i	3:30:00 PM	75264						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DJ30.i	9:30:00 AM	75265						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DJ30.i	11:30:00 AM	75266						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DJ30.i	1:30:00 PM	75267						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DJ30.i	3:30:00 PM	75268						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DKKJPY	9:30:00 AM	75269						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DKKJPY	11:30:00 AM	75270						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DKKJPY	1:30:00 PM	75271						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	DKKJPY	3:30:00 PM	75272						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD	9:30:00 AM	75273						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD	11:30:00 AM	75274						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD	1:30:00 PM	75275						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD	3:30:00 PM	75276						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD.fx	9:30:00 AM	75277						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD.fx	11:30:00 AM	75278						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD.fx	1:30:00 PM	75279						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURAUD.fx	3:30:00 PM	75280						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD	9:30:00 AM	75281						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD	11:30:00 AM	75282						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD	1:30:00 PM	75283						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD	3:30:00 PM	75284						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD.fx	9:30:00 AM	75285						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD.fx	11:30:00 AM	75286						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCAD.fx	1:30:00 PM	75287						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	EURCAD.fx	3:30:00 PM	75288						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF	9:30:00 AM	75289						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF	11:30:00 AM	75290						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF	1:30:00 PM	75291						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF	3:30:00 PM	75292						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF.fx	9:30:00 AM	75293						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF.fx	11:30:00 AM	75294						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF.fx	1:30:00 PM	75295						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCHF.fx	3:30:00 PM	75296						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCZK	9:30:00 AM	75297						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCZK	11:30:00 AM	75298						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCZK	1:30:00 PM	75299						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURCZK	3:30:00 PM	75300						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURDKK	9:30:00 AM	75301						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURDKK	11:30:00 AM	75302						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURDKK	1:30:00 PM	75303						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURDKK	3:30:00 PM	75304						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP	9:30:00 AM	75305						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP	11:30:00 AM	75306						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP	1:30:00 PM	75307						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP	3:30:00 PM	75308						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP.fx	9:30:00 AM	75309						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP.fx	11:30:00 AM	75310						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP.fx	1:30:00 PM	75311						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURGBP.fx	3:30:00 PM	75312						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD	9:30:00 AM	75313						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD	11:30:00 AM	75314						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD	1:30:00 PM	75315						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD	3:30:00 PM	75316						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD.fx	9:30:00 AM	75317						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD.fx	11:30:00 AM	75318						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD.fx	1:30:00 PM	75319						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHKD.fx	3:30:00 PM	75320						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF	9:30:00 AM	75321						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	EURHUF	11:30:00 AM	75322						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF	1:30:00 PM	75323						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF	3:30:00 PM	75324						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF.fx	9:30:00 AM	75325						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF.fx	11:30:00 AM	75326						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF.fx	1:30:00 PM	75327						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURHUF.fx	3:30:00 PM	75328						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY	9:30:00 AM	75329						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY	11:30:00 AM	75330						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY	1:30:00 PM	75331						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY	3:30:00 PM	75332						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY.fx	9:30:00 AM	75333						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY.fx	11:30:00 AM	75334						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY.fx	1:30:00 PM	75335						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURJPY.fx	3:30:00 PM	75336						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN	9:30:00 AM	75337						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN	11:30:00 AM	75338						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN	1:30:00 PM	75339						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN	3:30:00 PM	75340						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN.fx	9:30:00 AM	75341						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN.fx	11:30:00 AM	75342						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN.fx	1:30:00 PM	75343						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURMXN.fx	3:30:00 PM	75344						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK	9:30:00 AM	75345						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK	11:30:00 AM	75346						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK	1:30:00 PM	75347						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK	3:30:00 PM	75348						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK.fx	9:30:00 AM	75349						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK.fx	11:30:00 AM	75350						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK.fx	1:30:00 PM	75351						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNOK.fx	3:30:00 PM	75352						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD	9:30:00 AM	75353						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD	11:30:00 AM	75354						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD	1:30:00 PM	75355						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	EURNZD	3:30:00 PM	75356						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD.fx	9:30:00 AM	75357						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD.fx	11:30:00 AM	75358						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD.fx	1:30:00 PM	75359						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURNZD.fx	3:30:00 PM	75360						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN	9:30:00 AM	75361						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN	11:30:00 AM	75362						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN	1:30:00 PM	75363						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN	3:30:00 PM	75364						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN.fx	9:30:00 AM	75365						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN.fx	11:30:00 AM	75366						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN.fx	1:30:00 PM	75367						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURPLN.fx	3:30:00 PM	75368						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURRUB	9:30:00 AM	75369						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURRUB	11:30:00 AM	75370						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURRUB	1:30:00 PM	75371						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURRUB	3:30:00 PM	75372						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK	9:30:00 AM	75373						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK	11:30:00 AM	75374						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK	1:30:00 PM	75375						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK	3:30:00 PM	75376						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK.fx	9:30:00 AM	75377						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK.fx	11:30:00 AM	75378						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK.fx	1:30:00 PM	75379						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSEK.fx	3:30:00 PM	75380						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD	9:30:00 AM	75381						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD	11:30:00 AM	75382						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD	1:30:00 PM	75383						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD	3:30:00 PM	75384						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD.fx	9:30:00 AM	75385						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD.fx	11:30:00 AM	75386						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD.fx	1:30:00 PM	75387						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURSGD.fx	3:30:00 PM	75388						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD	9:30:00 AM	75389						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	EURUSD	11:30:00 AM	75390						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD	1:30:00 PM	75391						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD	3:30:00 PM	75392						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD.fx	9:30:00 AM	75393						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD.fx	11:30:00 AM	75394						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD.fx	1:30:00 PM	75395						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURUSD.fx	3:30:00 PM	75396						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR	9:30:00 AM	75397						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR	11:30:00 AM	75398						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR	1:30:00 PM	75399						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR	3:30:00 PM	75400						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR.fx	9:30:00 AM	75401						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR.fx	11:30:00 AM	75402						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR.fx	1:30:00 PM	75403						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	EURZAR.fx	3:30:00 PM	75404						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD	9:30:00 AM	75405						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD	11:30:00 AM	75406						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD	1:30:00 PM	75407						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD	3:30:00 PM	75408						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD.fx	9:30:00 AM	75409						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD.fx	11:30:00 AM	75410						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD.fx	1:30:00 PM	75411						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPAUD.fx	3:30:00 PM	75412						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD	9:30:00 AM	75413						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD	11:30:00 AM	75414						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD	1:30:00 PM	75415						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD	3:30:00 PM	75416						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD.fx	9:30:00 AM	75417						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD.fx	11:30:00 AM	75418						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD.fx	1:30:00 PM	75419						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCAD.fx	3:30:00 PM	75420						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF	9:30:00 AM	75421						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF	11:30:00 AM	75422						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF	1:30:00 PM	75423						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	GBPCHF	3:30:00 PM	75424						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF.fx	9:30:00 AM	75425						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF.fx	11:30:00 AM	75426						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF.fx	1:30:00 PM	75427						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCHF.fx	3:30:00 PM	75428						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCZK	9:30:00 AM	75429						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCZK	11:30:00 AM	75430						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCZK	1:30:00 PM	75431						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPCZK	3:30:00 PM	75432						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK	9:30:00 AM	75433						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK	11:30:00 AM	75434						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK	1:30:00 PM	75435						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK	3:30:00 PM	75436						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK.fx	9:30:00 AM	75437						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK.fx	11:30:00 AM	75438						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK.fx	1:30:00 PM	75439						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPDKK.fx	3:30:00 PM	75440						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHKD	9:30:00 AM	75441						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHKD	11:30:00 AM	75442						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHKD	1:30:00 PM	75443						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHKD	3:30:00 PM	75444						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHUF	9:30:00 AM	75445						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHUF	11:30:00 AM	75446						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHUF	1:30:00 PM	75447						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPHUF	3:30:00 PM	75448						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY	9:30:00 AM	75449						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY	11:30:00 AM	75450						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY	1:30:00 PM	75451						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY	3:30:00 PM	75452						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY.fx	9:30:00 AM	75453						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY.fx	11:30:00 AM	75454						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY.fx	1:30:00 PM	75455						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPJPY.fx	3:30:00 PM	75456						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPMXN	9:30:00 AM	75457						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	GBPMXN	11:30:00 AM	75458						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPMXN	1:30:00 PM	75459						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPMXN	3:30:00 PM	75460						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK	9:30:00 AM	75461						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK	11:30:00 AM	75462						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK	1:30:00 PM	75463						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK	3:30:00 PM	75464						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK.fx	9:30:00 AM	75465						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK.fx	11:30:00 AM	75466						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK.fx	1:30:00 PM	75467						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNOK.fx	3:30:00 PM	75468						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD	9:30:00 AM	75469						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD	11:30:00 AM	75470						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD	1:30:00 PM	75471						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD	3:30:00 PM	75472						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD.fx	9:30:00 AM	75473						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD.fx	11:30:00 AM	75474						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD.fx	1:30:00 PM	75475						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPNZD.fx	3:30:00 PM	75476						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN	9:30:00 AM	75477						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN	11:30:00 AM	75478						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN	1:30:00 PM	75479						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN	3:30:00 PM	75480						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN.fx	9:30:00 AM	75481						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN.fx	11:30:00 AM	75482						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN.fx	1:30:00 PM	75483						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPPLN.fx	3:30:00 PM	75484						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK	9:30:00 AM	75485						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK	11:30:00 AM	75486						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK	1:30:00 PM	75487						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK	3:30:00 PM	75488						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK.fx	9:30:00 AM	75489						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK.fx	11:30:00 AM	75490						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSEK.fx	1:30:00 PM	75491						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	GBPSEK.fx	3:30:00 PM	75492						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD	9:30:00 AM	75493						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD	11:30:00 AM	75494						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD	1:30:00 PM	75495						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD	3:30:00 PM	75496						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD.fx	9:30:00 AM	75497						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD.fx	11:30:00 AM	75498						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD.fx	1:30:00 PM	75499						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPSGD.fx	3:30:00 PM	75500						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD	9:30:00 AM	75501						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD	11:30:00 AM	75502						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD	1:30:00 PM	75503						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD	3:30:00 PM	75504						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD.fx	9:30:00 AM	75505						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD.fx	11:30:00 AM	75506						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD.fx	1:30:00 PM	75507						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPUUSD.fx	3:30:00 PM	75508						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR	9:30:00 AM	75509						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR	11:30:00 AM	75510						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR	1:30:00 PM	75511						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR	3:30:00 PM	75512						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR.fx	9:30:00 AM	75513						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR.fx	11:30:00 AM	75514						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR.fx	1:30:00 PM	75515						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GBPZAR.fx	3:30:00 PM	75516						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GOLD	9:30:00 AM	75517						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GOLD	11:30:00 AM	75518						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GOLD	1:30:00 PM	75519						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	GOLD	3:30:00 PM	75520						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY	9:30:00 AM	75521						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY	11:30:00 AM	75522						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY	1:30:00 PM	75523						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY	3:30:00 PM	75524						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY.fx	9:30:00 AM	75525						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	HKDJPY.fx	11:30:00 AM	75526						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY.fx	1:30:00 PM	75527						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HKDJPY.fx	3:30:00 PM	75528						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HUFJPY	9:30:00 AM	75529						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HUFJPY	11:30:00 AM	75530						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HUFJPY	1:30:00 PM	75531						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	HUFJPY	3:30:00 PM	75532						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JP225.i	9:30:00 AM	75533						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JP225.i	11:30:00 AM	75534						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JP225.i	1:30:00 PM	75535						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JP225.i	3:30:00 PM	75536						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	MXNJPY	9:30:00 AM	75537						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	MXNJPY	11:30:00 AM	75538						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	MXNJPY	1:30:00 PM	75539						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	MXNJPY	3:30:00 PM	75540						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NASDAQ.i	9:30:00 AM	75541						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NASDAQ.i	11:30:00 AM	75542						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NASDAQ.i	1:30:00 PM	75543						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NASDAQ.i	3:30:00 PM	75544						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY	9:30:00 AM	75545						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY	11:30:00 AM	75546						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY	1:30:00 PM	75547						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY	3:30:00 PM	75548						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY.fx	9:30:00 AM	75549						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY.fx	11:30:00 AM	75550						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY.fx	1:30:00 PM	75551						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NOKJPY.fx	3:30:00 PM	75552						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD	9:30:00 AM	75553						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD	11:30:00 AM	75554						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD	1:30:00 PM	75555						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD	3:30:00 PM	75556						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD.fx	9:30:00 AM	75557						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD.fx	11:30:00 AM	75558						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCAD.fx	1:30:00 PM	75559						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	NZDCAD.fx	3:30:00 PM	75560						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF	9:30:00 AM	75561						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF	11:30:00 AM	75562						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF	1:30:00 PM	75563						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF	3:30:00 PM	75564						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF.fx	9:30:00 AM	75565						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF.fx	11:30:00 AM	75566						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF.fx	1:30:00 PM	75567						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCHF.fx	3:30:00 PM	75568						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCZK	9:30:00 AM	75569						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCZK	11:30:00 AM	75570						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCZK	1:30:00 PM	75571						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDCZK	3:30:00 PM	75572						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDDKK	9:30:00 AM	75573						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDDKK	11:30:00 AM	75574						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDDKK	1:30:00 PM	75575						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDDKK	3:30:00 PM	75576						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHKD	9:30:00 AM	75577						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHKD	11:30:00 AM	75578						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHKD	1:30:00 PM	75579						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHKD	3:30:00 PM	75580						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHUF	9:30:00 AM	75581						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHUF	11:30:00 AM	75582						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHUF	1:30:00 PM	75583						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDHUF	3:30:00 PM	75584						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY	9:30:00 AM	75585						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY	11:30:00 AM	75586						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY	1:30:00 PM	75587						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY	3:30:00 PM	75588						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY.fx	9:30:00 AM	75589						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY.fx	11:30:00 AM	75590						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY.fx	1:30:00 PM	75591						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDJPY.fx	3:30:00 PM	75592						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDMXN	9:30:00 AM	75593						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	NZDMXN	11:30:00 AM	75594						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDMXN	1:30:00 PM	75595						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDMXN	3:30:00 PM	75596						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDNOK	9:30:00 AM	75597						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDNOK	11:30:00 AM	75598						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDNOK	1:30:00 PM	75599						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDNOK	3:30:00 PM	75600						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDPLN	9:30:00 AM	75601						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDPLN	11:30:00 AM	75602						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDPLN	1:30:00 PM	75603						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDPLN	3:30:00 PM	75604						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSEK	9:30:00 AM	75605						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSEK	11:30:00 AM	75606						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSEK	1:30:00 PM	75607						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSEK	3:30:00 PM	75608						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD	9:30:00 AM	75609						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD	11:30:00 AM	75610						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD	1:30:00 PM	75611						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD	3:30:00 PM	75612						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD.fx	9:30:00 AM	75613						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD.fx	11:30:00 AM	75614						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD.fx	1:30:00 PM	75615						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDSGD.fx	3:30:00 PM	75616						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD	9:30:00 AM	75617						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD	11:30:00 AM	75618						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD	1:30:00 PM	75619						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD	3:30:00 PM	75620						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD.fx	9:30:00 AM	75621						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD.fx	11:30:00 AM	75622						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD.fx	1:30:00 PM	75623						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDUSD.fx	3:30:00 PM	75624						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDZAR	9:30:00 AM	75625						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDZAR	11:30:00 AM	75626						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	NZDZAR	1:30:00 PM	75627						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	NZDZAR	3:30:00 PM	75628						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY	9:30:00 AM	75629						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY	11:30:00 AM	75630						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY	1:30:00 PM	75631						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY	3:30:00 PM	75632						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY.fx	9:30:00 AM	75633						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY.fx	11:30:00 AM	75634						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY.fx	1:30:00 PM	75635						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SEKJPY.fx	3:30:00 PM	75636						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SGDJPY	9:30:00 AM	75637						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SGDJPY	11:30:00 AM	75638						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SGDJPY	1:30:00 PM	75639						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SGDJPY	3:30:00 PM	75640						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SILVER	9:30:00 AM	75641						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SILVER	11:30:00 AM	75642						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SILVER	1:30:00 PM	75643						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SILVER	3:30:00 PM	75644						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SPX500.i	9:30:00 AM	75645						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SPX500.i	11:30:00 AM	75646						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SPX500.i	1:30:00 PM	75647						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	SPX500.i	3:30:00 PM	75648						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	UK100.i	9:30:00 AM	75649						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	UK100.i	11:30:00 AM	75650						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	UK100.i	1:30:00 PM	75651						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	UK100.i	3:30:00 PM	75652						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD	9:30:00 AM	75653						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD	11:30:00 AM	75654						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD	1:30:00 PM	75655						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD	3:30:00 PM	75656						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD.fx	9:30:00 AM	75657						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD.fx	11:30:00 AM	75658						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD.fx	1:30:00 PM	75659						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCAD.fx	3:30:00 PM	75660						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHF	9:30:00 AM	75661						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	USDCHE	11:30:00 AM	75662						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE	1:30:00 PM	75663						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE	3:30:00 PM	75664						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE.fx	9:30:00 AM	75665						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE.fx	11:30:00 AM	75666						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE.fx	1:30:00 PM	75667						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCHE.fx	3:30:00 PM	75668						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK	9:30:00 AM	75669						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK	11:30:00 AM	75670						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK	1:30:00 PM	75671						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK	3:30:00 PM	75672						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK.fx	9:30:00 AM	75673						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK.fx	11:30:00 AM	75674						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK.fx	1:30:00 PM	75675						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDCZK.fx	3:30:00 PM	75676						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK	9:30:00 AM	75677						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK	11:30:00 AM	75678						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK	1:30:00 PM	75679						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK	3:30:00 PM	75680						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK.fx	9:30:00 AM	75681						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK.fx	11:30:00 AM	75682						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK.fx	1:30:00 PM	75683						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDDKK.fx	3:30:00 PM	75684						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD	9:30:00 AM	75685						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD	11:30:00 AM	75686						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD	1:30:00 PM	75687						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD	3:30:00 PM	75688						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD.fx	9:30:00 AM	75689						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD.fx	11:30:00 AM	75690						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD.fx	1:30:00 PM	75691						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHKD.fx	3:30:00 PM	75692						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF	9:30:00 AM	75693						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF	11:30:00 AM	75694						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF	1:30:00 PM	75695						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	USDHUF	3:30:00 PM	75696						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF.fx	9:30:00 AM	75697						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF.fx	11:30:00 AM	75698						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF.fx	1:30:00 PM	75699						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDHUF.fx	3:30:00 PM	75700						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDINR	9:30:00 AM	75701						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDINR	11:30:00 AM	75702						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDINR	1:30:00 PM	75703						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDINR	3:30:00 PM	75704						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY	9:30:00 AM	75705						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY	11:30:00 AM	75706						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY	1:30:00 PM	75707						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY	3:30:00 PM	75708						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY.fx	9:30:00 AM	75709						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY.fx	11:30:00 AM	75710						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY.fx	1:30:00 PM	75711						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDJPY.fx	3:30:00 PM	75712						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDMXN	9:30:00 AM	75713						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDMXN	11:30:00 AM	75714						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDMXN	1:30:00 PM	75715						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDMXN	3:30:00 PM	75716						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JSDMXN.fx	9:30:00 AM	75717						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JSDMXN.fx	11:30:00 AM	75718						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JSDMXN.fx	1:30:00 PM	75719						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	JSDMXN.fx	3:30:00 PM	75720						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK	9:30:00 AM	75721						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK	11:30:00 AM	75722						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK	1:30:00 PM	75723						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK	3:30:00 PM	75724						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK.fx	9:30:00 AM	75725						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK.fx	11:30:00 AM	75726						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK.fx	1:30:00 PM	75727						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDNOK.fx	3:30:00 PM	75728						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN	9:30:00 AM	75729						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	USDPLN	11:30:00 AM	75730						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN	1:30:00 PM	75731						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN	3:30:00 PM	75732						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN.fx	9:30:00 AM	75733						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN.fx	11:30:00 AM	75734						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN.fx	1:30:00 PM	75735						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDPLN.fx	3:30:00 PM	75736						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDRUB	9:30:00 AM	75737						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDRUB	11:30:00 AM	75738						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDRUB	1:30:00 PM	75739						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDRUB	3:30:00 PM	75740						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK	9:30:00 AM	75741						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK	11:30:00 AM	75742						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK	1:30:00 PM	75743						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK	3:30:00 PM	75744						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK.fx	9:30:00 AM	75745						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK.fx	11:30:00 AM	75746						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK.fx	1:30:00 PM	75747						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSEK.fx	3:30:00 PM	75748						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD	9:30:00 AM	75749						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD	11:30:00 AM	75750						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD	1:30:00 PM	75751						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD	3:30:00 PM	75752						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD.fx	9:30:00 AM	75753						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD.fx	11:30:00 AM	75754						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD.fx	1:30:00 PM	75755						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDSGD.fx	3:30:00 PM	75756						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR	9:30:00 AM	75757						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR	11:30:00 AM	75758						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR	1:30:00 PM	75759						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR	3:30:00 PM	75760						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR.fx	9:30:00 AM	75761						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR.fx	11:30:00 AM	75762						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	USDZAR.fx	1:30:00 PM	75763						Continuous Quote	N/A	ELECTRONIC	N/A

12/3/2019	USDZAR.fx	3:30:00 PM	75764						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	XAUUSD	9:30:00 AM	75765						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	XAUUSD	11:30:00 AM	75766						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	XAUUSD	1:30:00 PM	75767						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	XAUUSD	3:30:00 PM	75768						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY	9:30:00 AM	75769						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY	11:30:00 AM	75770						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY	1:30:00 PM	75771						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY	3:30:00 PM	75772						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY.fx	9:30:00 AM	75773						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY.fx	11:30:00 AM	75774						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY.fx	1:30:00 PM	75775						Continuous Quote	N/A	ELECTRONIC	N/A
12/3/2019	ZARJPY.fx	3:30:00 PM	75776						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AA	9:30:00 AM	75777						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AA	11:30:00 AM	75778						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AA	1:30:00 PM	75779						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AA	3:30:00 PM	75780						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AABA	9:30:00 AM	75781						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AABA	11:30:00 AM	75782						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AABA	1:30:00 PM	75783						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AABA	3:30:00 PM	75784						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAL	9:30:00 AM	75785						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAL	11:30:00 AM	75786						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAL	1:30:00 PM	75787						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAL	3:30:00 PM	75788						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAPL	9:30:00 AM	75789						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAPL	11:30:00 AM	75790						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAPL	1:30:00 PM	75791						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AAPL	3:30:00 PM	75792						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ADBE	9:30:00 AM	75793						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ADBE	11:30:00 AM	75794						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ADBE	1:30:00 PM	75795						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ADBE	3:30:00 PM	75796						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AIG	9:30:00 AM	75797						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	#AIG	11:30:00 AM	75798						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#AIG	3:30:00 PM	75800						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMD	9:30:00 AM	75801						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMD	11:30:00 AM	75802						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMD	1:30:00 PM	75803						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMD	3:30:00 PM	75804						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMZN	9:30:00 AM	75805						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMZN	11:30:00 AM	75806						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMZN	1:30:00 PM	75807						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AMZN	3:30:00 PM	75808						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AXP	9:30:00 AM	75809						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AXP	11:30:00 AM	75810						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AXP	1:30:00 PM	75811						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#AXP	3:30:00 PM	75812						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BA	9:30:00 AM	75813						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BA	11:30:00 AM	75814						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BA	1:30:00 PM	75815						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BA	3:30:00 PM	75816						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BABA	9:30:00 AM	75817						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BABA	11:30:00 AM	75818						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BABA	1:30:00 PM	75819						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BABA	3:30:00 PM	75820						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#BAC	11:30:00 AM	75822						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BAC	1:30:00 PM	75823						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BAC	3:30:00 PM	75824						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BARC	9:30:00 AM	75825						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BARC	11:30:00 AM	75826						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BARC	1:30:00 PM	75827						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BARC	3:30:00 PM	75828						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BHP	9:30:00 AM	75829						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BHP	11:30:00 AM	75830						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BHP	1:30:00 PM	75831						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	#BHP	3:30:00 PM	75832						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BIDU	9:30:00 AM	75833						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BIDU	11:30:00 AM	75834						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#BIDU	3:30:00 PM	75836						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Bitcoin	9:30:00 AM	75837						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Bitcoin	11:30:00 AM	75838						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Bitcoin	1:30:00 PM	75839						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Bitcoin	3:30:00 PM	75840						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BK	9:30:00 AM	75841						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#BLT	9:30:00 AM	75845						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BLT	11:30:00 AM	75846						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BLT	1:30:00 PM	75847						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BLT	3:30:00 PM	75848						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BP	9:30:00 AM	75849						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BP	11:30:00 AM	75850						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#BP	3:30:00 PM	75852						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BTA	9:30:00 AM	75853						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BTA	11:30:00 AM	75854						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BTA	1:30:00 PM	75855						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#BTA	3:30:00 PM	75856						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#C	9:30:00 AM	75857						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#CHL	3:30:00 PM	75868						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#CL.f	9:30:00 AM	75869						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#CMCSA	1:30:00 PM	75875						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#CMCSA	3:30:00 PM	75876						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#CSCO	9:30:00 AM	75877						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#CVX	9:30:00 AM	75881						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#CVX	3:30:00 PM	75884						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#DD	9:30:00 AM	75885						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#DIS	9:30:00 AM	75889						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#DIS	11:30:00 AM	75890						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#Ethereum	1:30:00 PM	75903						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Ethereum	3:30:00 PM	75904						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#F	11:30:00 AM	75906						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#F	3:30:00 PM	75908						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#QCOM	11:30:00 AM	76114						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#QCOM	1:30:00 PM	76115						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#QCOM	3:30:00 PM	76116						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#QQQ	9:30:00 AM	76117						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#QQQ	11:30:00 AM	76118						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#QQQ	3:30:00 PM	76120						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Ripple	9:30:00 AM	76121						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Ripple	11:30:00 AM	76122						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Ripple	1:30:00 PM	76123						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#Ripple	3:30:00 PM	76124						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#S	9:30:00 AM	76125						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#S	11:30:00 AM	76126						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#S	1:30:00 PM	76127						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#S	3:30:00 PM	76128						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#SBUX	9:30:00 AM	76129						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#SBUX	11:30:00 AM	76130						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#SBUX	1:30:00 PM	76131						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#SNE	9:30:00 AM	76133						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#SNE	11:30:00 AM	76134						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#SNE	3:30:00 PM	76136						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#SPY	11:30:00 AM	76138						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#SPY	3:30:00 PM	76140						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#T	11:30:00 AM	76142						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#T	1:30:00 PM	76143						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#T	3:30:00 PM	76144						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#TEVA	11:30:00 AM	76146						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TEVA	1:30:00 PM	76147						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TEVA	3:30:00 PM	76148						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TRI	9:30:00 AM	76149						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#TRV	9:30:00 AM	76153						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#TRV	1:30:00 PM	76155						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TRV	3:30:00 PM	76156						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TSCO	9:30:00 AM	76157						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#TSCO	3:30:00 PM	76160						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#TSLA	11:30:00 AM	76162						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TSLA	1:30:00 PM	76163						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TSLA	3:30:00 PM	76164						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TWTR	9:30:00 AM	76165						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TWTR	11:30:00 AM	76166						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TWTR	1:30:00 PM	76167						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#TWTR	3:30:00 PM	76168						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#UBS	11:30:00 AM	76170						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#UL	3:30:00 PM	76176						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#UPS	11:30:00 AM	76178						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UPS	1:30:00 PM	76179						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UPS	3:30:00 PM	76180						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UTX	9:30:00 AM	76181						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UTX	11:30:00 AM	76182						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UTX	1:30:00 PM	76183						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#UTX	3:30:00 PM	76184						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#V	9:30:00 AM	76185						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#V	11:30:00 AM	76186						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#V	1:30:00 PM	76187						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#V	3:30:00 PM	76188						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VOD	9:30:00 AM	76189						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VOD	11:30:00 AM	76190						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VOD	1:30:00 PM	76191						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VOD	3:30:00 PM	76192						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VZ	9:30:00 AM	76193						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VZ	11:30:00 AM	76194						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VZ	1:30:00 PM	76195						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#VZ	3:30:00 PM	76196						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WDC	9:30:00 AM	76197						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WDC	11:30:00 AM	76198						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WDC	1:30:00 PM	76199						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WDC	3:30:00 PM	76200						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WFC	9:30:00 AM	76201						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WFC	11:30:00 AM	76202						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WFC	1:30:00 PM	76203						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WFC	3:30:00 PM	76204						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#WMT	9:30:00 AM	76205						Continuous Quote	N/A	ELECTRONIC	N/A

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12/4/2019	#WMT	3:30:00 PM	76208						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#XOM	9:30:00 AM	76209						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#XOM	11:30:00 AM	76210						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#XOM	3:30:00 PM	76212						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	#YHOO	3:30:00 PM	76216						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ZNGA	9:30:00 AM	76217						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	#ZNGA	11:30:00 AM	76218						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDCAD	11:30:00 AM	76222						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD	1:30:00 PM	76223						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD	3:30:00 PM	76224						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD.fx	9:30:00 AM	76225						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD.fx	11:30:00 AM	76226						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD.fx	1:30:00 PM	76227						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCAD.fx	3:30:00 PM	76228						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF	9:30:00 AM	76229						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDCHF	1:30:00 PM	76231						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF	3:30:00 PM	76232						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF.fx	9:30:00 AM	76233						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF.fx	11:30:00 AM	76234						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF.fx	1:30:00 PM	76235						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCHF.fx	3:30:00 PM	76236						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCZK	9:30:00 AM	76237						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCZK	11:30:00 AM	76238						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDCZK	1:30:00 PM	76239						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	AUDCZK	3:30:00 PM	76240						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDDKK	9:30:00 AM	76241						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDDKK	11:30:00 AM	76242						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDDKK	1:30:00 PM	76243						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDDKK	3:30:00 PM	76244						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDHKD	9:30:00 AM	76245						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDHKD	11:30:00 AM	76246						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDHKD	1:30:00 PM	76247						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDHKD	3:30:00 PM	76248						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDHUF	9:30:00 AM	76249						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDHUF	3:30:00 PM	76252						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDJPY	3:30:00 PM	76256						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDJPY.fx	9:30:00 AM	76257						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDJPY.fx	1:30:00 PM	76259						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDJPY.fx	3:30:00 PM	76260						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDMXN	9:30:00 AM	76261						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDMXN	11:30:00 AM	76262						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDMXN	1:30:00 PM	76263						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDMXN	3:30:00 PM	76264						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDNOK.fx	11:30:00 AM	76270						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDNOK.fx	1:30:00 PM	76271						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDNOK.fx	3:30:00 PM	76272						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDNZD	9:30:00 AM	76273						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	AUDNZD	11:30:00 AM	76274						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDNZD	3:30:00 PM	76276						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDNZD.fx	11:30:00 AM	76278						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDNZD.fx	1:30:00 PM	76279						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDPLN	3:30:00 PM	76284						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSEK	9:30:00 AM	76285						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDSEK	1:30:00 PM	76287						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSEK	3:30:00 PM	76288						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDSEK.fx	11:30:00 AM	76290						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSEK.fx	1:30:00 PM	76291						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSEK.fx	3:30:00 PM	76292						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSGD	9:30:00 AM	76293						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSGD	11:30:00 AM	76294						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDSGD.fx	11:30:00 AM	76298						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSGD.fx	1:30:00 PM	76299						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDSGD.fx	3:30:00 PM	76300						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDUSD	3:30:00 PM	76304						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDUSD.fx	9:30:00 AM	76305						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDUSD.fx	1:30:00 PM	76307						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	AUDUSD.fx	3:30:00 PM	76308						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	AUDZAR	11:30:00 AM	76310						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDZAR	1:30:00 PM	76311						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUDZAR	3:30:00 PM	76312						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUS200.i	9:30:00 AM	76313						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUS200.i	11:30:00 AM	76314						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUS200.i	1:30:00 PM	76315						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	AUS200.i	3:30:00 PM	76316						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	BCHUSD	9:30:00 AM	76317						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	BCHUSD	11:30:00 AM	76318						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	BCHUSD	1:30:00 PM	76319						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	BCHUSD	3:30:00 PM	76320						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF	9:30:00 AM	76321						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF	11:30:00 AM	76322						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF	1:30:00 PM	76323						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF	3:30:00 PM	76324						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF.fx	9:30:00 AM	76325						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF.fx	11:30:00 AM	76326						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF.fx	1:30:00 PM	76327						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCHF.fx	3:30:00 PM	76328						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCZK	9:30:00 AM	76329						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCZK	11:30:00 AM	76330						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCZK	1:30:00 PM	76331						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADCZK	3:30:00 PM	76332						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADDKK	9:30:00 AM	76333						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADDKK	11:30:00 AM	76334						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADDKK	1:30:00 PM	76335						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADDKK	3:30:00 PM	76336						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHKD	9:30:00 AM	76337						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHKD	11:30:00 AM	76338						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHKD	1:30:00 PM	76339						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHKD	3:30:00 PM	76340						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHUF	9:30:00 AM	76341						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	CADHUF	11:30:00 AM	76342						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHUF	1:30:00 PM	76343						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADHUF	3:30:00 PM	76344						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY	9:30:00 AM	76345						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY	11:30:00 AM	76346						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY	1:30:00 PM	76347						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY	3:30:00 PM	76348						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY.fx	9:30:00 AM	76349						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY.fx	11:30:00 AM	76350						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY.fx	1:30:00 PM	76351						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADJPY.fx	3:30:00 PM	76352						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADMXN	9:30:00 AM	76353						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADMXN	11:30:00 AM	76354						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADMXN	1:30:00 PM	76355						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADMXN	3:30:00 PM	76356						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADNOK	9:30:00 AM	76357						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADNOK	11:30:00 AM	76358						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADNOK	1:30:00 PM	76359						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADNOK	3:30:00 PM	76360						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADPLN	9:30:00 AM	76361						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADPLN	11:30:00 AM	76362						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADPLN	1:30:00 PM	76363						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADPLN	3:30:00 PM	76364						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSEK	9:30:00 AM	76365						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSEK	11:30:00 AM	76366						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSEK	1:30:00 PM	76367						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSEK	3:30:00 PM	76368						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSGD	9:30:00 AM	76369						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSGD	11:30:00 AM	76370						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSGD	1:30:00 PM	76371						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADSGD	3:30:00 PM	76372						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADZAR	9:30:00 AM	76373						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADZAR	11:30:00 AM	76374						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CADZAR	1:30:00 PM	76375						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	CADZAR	3:30:00 PM	76376						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFCZK	9:30:00 AM	76377						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFCZK	11:30:00 AM	76378						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFCZK	1:30:00 PM	76379						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFCZK	3:30:00 PM	76380						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK	9:30:00 AM	76381						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK	11:30:00 AM	76382						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK	1:30:00 PM	76383						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK	3:30:00 PM	76384						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK.fx	9:30:00 AM	76385						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK.fx	11:30:00 AM	76386						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK.fx	1:30:00 PM	76387						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFDKK.fx	3:30:00 PM	76388						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHKD	9:30:00 AM	76389						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHKD	11:30:00 AM	76390						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHKD	1:30:00 PM	76391						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHKD	3:30:00 PM	76392						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHUF	9:30:00 AM	76393						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHUF	11:30:00 AM	76394						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHUF	1:30:00 PM	76395						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFHUF	3:30:00 PM	76396						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY	9:30:00 AM	76397						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY	11:30:00 AM	76398						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY	1:30:00 PM	76399						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY	3:30:00 PM	76400						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY.fx	9:30:00 AM	76401						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY.fx	11:30:00 AM	76402						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY.fx	1:30:00 PM	76403						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFJPY.fx	3:30:00 PM	76404						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFMXN	9:30:00 AM	76405						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFMXN	11:30:00 AM	76406						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFMXN	1:30:00 PM	76407						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFMXN	3:30:00 PM	76408						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK	9:30:00 AM	76409						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	CHFNOK	11:30:00 AM	76410						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK	1:30:00 PM	76411						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK	3:30:00 PM	76412						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK.fx	9:30:00 AM	76413						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK.fx	11:30:00 AM	76414						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK.fx	1:30:00 PM	76415						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFNOK.fx	3:30:00 PM	76416						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN	9:30:00 AM	76417						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN	11:30:00 AM	76418						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN	1:30:00 PM	76419						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN	3:30:00 PM	76420						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN.fx	9:30:00 AM	76421						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN.fx	11:30:00 AM	76422						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN.fx	1:30:00 PM	76423						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFPLN.fx	3:30:00 PM	76424						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSEK	9:30:00 AM	76425						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSEK	11:30:00 AM	76426						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSEK	1:30:00 PM	76427						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSEK	3:30:00 PM	76428						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD	9:30:00 AM	76429						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD	11:30:00 AM	76430						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD	1:30:00 PM	76431						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD	3:30:00 PM	76432						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD.fx	9:30:00 AM	76433						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD.fx	11:30:00 AM	76434						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD.fx	1:30:00 PM	76435						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFSGD.fx	3:30:00 PM	76436						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFZAR	9:30:00 AM	76437						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFZAR	11:30:00 AM	76438						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFZAR	1:30:00 PM	76439						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CHFZAR	3:30:00 PM	76440						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CZKJPY	9:30:00 AM	76441						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CZKJPY	11:30:00 AM	76442						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	CZKJPY	1:30:00 PM	76443						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	CZKJPY	3:30:00 PM	76444						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DAX30.i	9:30:00 AM	76445						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DAX30.i	11:30:00 AM	76446						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DAX30.i	1:30:00 PM	76447						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DAX30.i	3:30:00 PM	76448						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DJ30.i	9:30:00 AM	76449						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DJ30.i	11:30:00 AM	76450						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DJ30.i	1:30:00 PM	76451						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DJ30.i	3:30:00 PM	76452						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DKKJPY	9:30:00 AM	76453						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DKKJPY	11:30:00 AM	76454						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DKKJPY	1:30:00 PM	76455						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	DKKJPY	3:30:00 PM	76456						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD	9:30:00 AM	76457						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD	11:30:00 AM	76458						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD	1:30:00 PM	76459						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD	3:30:00 PM	76460						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD.fx	9:30:00 AM	76461						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD.fx	11:30:00 AM	76462						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD.fx	1:30:00 PM	76463						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURAUD.fx	3:30:00 PM	76464						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD	9:30:00 AM	76465						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD	11:30:00 AM	76466						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD	1:30:00 PM	76467						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD	3:30:00 PM	76468						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD.fx	9:30:00 AM	76469						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD.fx	11:30:00 AM	76470						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD.fx	1:30:00 PM	76471						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCAD.fx	3:30:00 PM	76472						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF	9:30:00 AM	76473						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF	11:30:00 AM	76474						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF	1:30:00 PM	76475						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF	3:30:00 PM	76476						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF.fx	9:30:00 AM	76477						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	EURCHF.fx	11:30:00 AM	76478						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF.fx	1:30:00 PM	76479						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCHF.fx	3:30:00 PM	76480						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCZK	9:30:00 AM	76481						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCZK	11:30:00 AM	76482						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCZK	1:30:00 PM	76483						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURCZK	3:30:00 PM	76484						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURDKK	9:30:00 AM	76485						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURDKK	11:30:00 AM	76486						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURDKK	1:30:00 PM	76487						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURDKK	3:30:00 PM	76488						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP	9:30:00 AM	76489						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP	11:30:00 AM	76490						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP	1:30:00 PM	76491						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP	3:30:00 PM	76492						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP.fx	9:30:00 AM	76493						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP.fx	11:30:00 AM	76494						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP.fx	1:30:00 PM	76495						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURGBP.fx	3:30:00 PM	76496						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD	9:30:00 AM	76497						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD	11:30:00 AM	76498						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD	1:30:00 PM	76499						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD	3:30:00 PM	76500						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD.fx	9:30:00 AM	76501						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD.fx	11:30:00 AM	76502						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD.fx	1:30:00 PM	76503						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHKD.fx	3:30:00 PM	76504						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF	9:30:00 AM	76505						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF	11:30:00 AM	76506						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF	1:30:00 PM	76507						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF	3:30:00 PM	76508						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF.fx	9:30:00 AM	76509						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF.fx	11:30:00 AM	76510						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURHUF.fx	1:30:00 PM	76511						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	EURHUF.fx	3:30:00 PM	76512						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY	9:30:00 AM	76513						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY	11:30:00 AM	76514						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY	1:30:00 PM	76515						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY	3:30:00 PM	76516						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY.fx	9:30:00 AM	76517						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY.fx	11:30:00 AM	76518						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY.fx	1:30:00 PM	76519						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURJPY.fx	3:30:00 PM	76520						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN	9:30:00 AM	76521						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN	11:30:00 AM	76522						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN	1:30:00 PM	76523						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN	3:30:00 PM	76524						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN.fx	9:30:00 AM	76525						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN.fx	11:30:00 AM	76526						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN.fx	1:30:00 PM	76527						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURMXN.fx	3:30:00 PM	76528						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK	9:30:00 AM	76529						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK	11:30:00 AM	76530						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK	1:30:00 PM	76531						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK	3:30:00 PM	76532						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK.fx	9:30:00 AM	76533						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK.fx	11:30:00 AM	76534						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK.fx	1:30:00 PM	76535						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNOK.fx	3:30:00 PM	76536						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD	9:30:00 AM	76537						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD	11:30:00 AM	76538						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD	1:30:00 PM	76539						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD	3:30:00 PM	76540						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD.fx	9:30:00 AM	76541						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD.fx	11:30:00 AM	76542						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD.fx	1:30:00 PM	76543						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURNZD.fx	3:30:00 PM	76544						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN	9:30:00 AM	76545						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	EURPLN	11:30:00 AM	76546						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN	1:30:00 PM	76547						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN	3:30:00 PM	76548						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN.fx	9:30:00 AM	76549						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN.fx	11:30:00 AM	76550						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN.fx	1:30:00 PM	76551						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURPLN.fx	3:30:00 PM	76552						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURRUB	9:30:00 AM	76553						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURRUB	11:30:00 AM	76554						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURRUB	1:30:00 PM	76555						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURRUB	3:30:00 PM	76556						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK	9:30:00 AM	76557						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK	11:30:00 AM	76558						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK	1:30:00 PM	76559						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK	3:30:00 PM	76560						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK.fx	9:30:00 AM	76561						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK.fx	11:30:00 AM	76562						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK.fx	1:30:00 PM	76563						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSEK.fx	3:30:00 PM	76564						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD	9:30:00 AM	76565						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD	11:30:00 AM	76566						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD	1:30:00 PM	76567						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD	3:30:00 PM	76568						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD.fx	9:30:00 AM	76569						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD.fx	11:30:00 AM	76570						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD.fx	1:30:00 PM	76571						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURSGD.fx	3:30:00 PM	76572						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD	9:30:00 AM	76573						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD	11:30:00 AM	76574						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD	1:30:00 PM	76575						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD	3:30:00 PM	76576						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD.fx	9:30:00 AM	76577						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD.fx	11:30:00 AM	76578						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURUSD.fx	1:30:00 PM	76579						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	EURUSD.fx	3:30:00 PM	76580						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR	9:30:00 AM	76581						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR	11:30:00 AM	76582						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR	1:30:00 PM	76583						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR	3:30:00 PM	76584						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR.fx	9:30:00 AM	76585						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR.fx	11:30:00 AM	76586						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR.fx	1:30:00 PM	76587						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	EURZAR.fx	3:30:00 PM	76588						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD	9:30:00 AM	76589						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD	11:30:00 AM	76590						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD	1:30:00 PM	76591						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD	3:30:00 PM	76592						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD.fx	9:30:00 AM	76593						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD.fx	11:30:00 AM	76594						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD.fx	1:30:00 PM	76595						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPAUD.fx	3:30:00 PM	76596						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD	9:30:00 AM	76597						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD	11:30:00 AM	76598						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD	1:30:00 PM	76599						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD	3:30:00 PM	76600						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD.fx	9:30:00 AM	76601						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD.fx	11:30:00 AM	76602						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD.fx	1:30:00 PM	76603						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCAD.fx	3:30:00 PM	76604						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF	9:30:00 AM	76605						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF	11:30:00 AM	76606						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF	1:30:00 PM	76607						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF	3:30:00 PM	76608						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF.fx	9:30:00 AM	76609						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF.fx	11:30:00 AM	76610						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF.fx	1:30:00 PM	76611						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCHF.fx	3:30:00 PM	76612						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCZK	9:30:00 AM	76613						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	GBPCZK	11:30:00 AM	76614						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCZK	1:30:00 PM	76615						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPCZK	3:30:00 PM	76616						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK	9:30:00 AM	76617						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK	11:30:00 AM	76618						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK	1:30:00 PM	76619						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK	3:30:00 PM	76620						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK.fx	9:30:00 AM	76621						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK.fx	11:30:00 AM	76622						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK.fx	1:30:00 PM	76623						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPDKK.fx	3:30:00 PM	76624						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHKD	9:30:00 AM	76625						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHKD	11:30:00 AM	76626						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHKD	1:30:00 PM	76627						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHKD	3:30:00 PM	76628						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHUF	9:30:00 AM	76629						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHUF	11:30:00 AM	76630						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHUF	1:30:00 PM	76631						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPHUF	3:30:00 PM	76632						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY	9:30:00 AM	76633						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY	11:30:00 AM	76634						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY	1:30:00 PM	76635						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY	3:30:00 PM	76636						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY.fx	9:30:00 AM	76637						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY.fx	11:30:00 AM	76638						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY.fx	1:30:00 PM	76639						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPJPY.fx	3:30:00 PM	76640						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPMXN	9:30:00 AM	76641						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPMXN	11:30:00 AM	76642						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPMXN	1:30:00 PM	76643						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPMXN	3:30:00 PM	76644						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK	9:30:00 AM	76645						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK	11:30:00 AM	76646						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK	1:30:00 PM	76647						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	GBPNOK	3:30:00 PM	76648						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK.fx	9:30:00 AM	76649						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK.fx	11:30:00 AM	76650						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK.fx	1:30:00 PM	76651						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNOK.fx	3:30:00 PM	76652						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD	9:30:00 AM	76653						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD	11:30:00 AM	76654						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD	1:30:00 PM	76655						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD	3:30:00 PM	76656						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD.fx	9:30:00 AM	76657						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD.fx	11:30:00 AM	76658						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD.fx	1:30:00 PM	76659						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPNZD.fx	3:30:00 PM	76660						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN	9:30:00 AM	76661						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN	11:30:00 AM	76662						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN	1:30:00 PM	76663						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN	3:30:00 PM	76664						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN.fx	9:30:00 AM	76665						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN.fx	11:30:00 AM	76666						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN.fx	1:30:00 PM	76667						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPPLN.fx	3:30:00 PM	76668						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK	9:30:00 AM	76669						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK	11:30:00 AM	76670						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK	1:30:00 PM	76671						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK	3:30:00 PM	76672						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK.fx	9:30:00 AM	76673						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK.fx	11:30:00 AM	76674						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK.fx	1:30:00 PM	76675						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSEK.fx	3:30:00 PM	76676						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD	9:30:00 AM	76677						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD	11:30:00 AM	76678						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD	1:30:00 PM	76679						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD	3:30:00 PM	76680						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD.fx	9:30:00 AM	76681						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	GBPSGD.fx	11:30:00 AM	76682						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD.fx	1:30:00 PM	76683						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPSGD.fx	3:30:00 PM	76684						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD	9:30:00 AM	76685						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD	11:30:00 AM	76686						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD	1:30:00 PM	76687						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD	3:30:00 PM	76688						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD.fx	9:30:00 AM	76689						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD.fx	11:30:00 AM	76690						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD.fx	1:30:00 PM	76691						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPUSD.fx	3:30:00 PM	76692						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR	9:30:00 AM	76693						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR	11:30:00 AM	76694						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR	1:30:00 PM	76695						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR	3:30:00 PM	76696						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR.fx	9:30:00 AM	76697						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR.fx	11:30:00 AM	76698						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR.fx	1:30:00 PM	76699						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GBPZAR.fx	3:30:00 PM	76700						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GOLD	9:30:00 AM	76701						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GOLD	11:30:00 AM	76702						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GOLD	1:30:00 PM	76703						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	GOLD	3:30:00 PM	76704						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY	9:30:00 AM	76705						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY	11:30:00 AM	76706						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY	1:30:00 PM	76707						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY	3:30:00 PM	76708						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY.fx	9:30:00 AM	76709						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY.fx	11:30:00 AM	76710						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY.fx	1:30:00 PM	76711						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HKDJPY.fx	3:30:00 PM	76712						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HUFJPY	9:30:00 AM	76713						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HUFJPY	11:30:00 AM	76714						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	HUFJPY	1:30:00 PM	76715						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	HUFJPY	3:30:00 PM	76716						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JP225.i	9:30:00 AM	76717						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JP225.i	11:30:00 AM	76718						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JP225.i	1:30:00 PM	76719						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JP225.i	3:30:00 PM	76720						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	MXNJPY	9:30:00 AM	76721						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	MXNJPY	11:30:00 AM	76722						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	MXNJPY	1:30:00 PM	76723						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	MXNJPY	3:30:00 PM	76724						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NASDAQ.i	9:30:00 AM	76725						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NASDAQ.i	11:30:00 AM	76726						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NASDAQ.i	1:30:00 PM	76727						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NASDAQ.i	3:30:00 PM	76728						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY	9:30:00 AM	76729						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY	11:30:00 AM	76730						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY	1:30:00 PM	76731						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY	3:30:00 PM	76732						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY.fx	9:30:00 AM	76733						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY.fx	11:30:00 AM	76734						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY.fx	1:30:00 PM	76735						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NOKJPY.fx	3:30:00 PM	76736						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD	9:30:00 AM	76737						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD	11:30:00 AM	76738						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD	1:30:00 PM	76739						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD	3:30:00 PM	76740						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD.fx	9:30:00 AM	76741						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD.fx	11:30:00 AM	76742						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD.fx	1:30:00 PM	76743						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCAD.fx	3:30:00 PM	76744						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF	9:30:00 AM	76745						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF	11:30:00 AM	76746						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF	1:30:00 PM	76747						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF	3:30:00 PM	76748						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF.fx	9:30:00 AM	76749						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	NZDCHF.fx	11:30:00 AM	76750						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF.fx	1:30:00 PM	76751						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCHF.fx	3:30:00 PM	76752						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCZK	9:30:00 AM	76753						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCZK	11:30:00 AM	76754						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCZK	1:30:00 PM	76755						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDCZK	3:30:00 PM	76756						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDDKK	9:30:00 AM	76757						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDDKK	11:30:00 AM	76758						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDDKK	1:30:00 PM	76759						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDDKK	3:30:00 PM	76760						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHKD	9:30:00 AM	76761						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHKD	11:30:00 AM	76762						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHKD	1:30:00 PM	76763						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHKD	3:30:00 PM	76764						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHUF	9:30:00 AM	76765						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHUF	11:30:00 AM	76766						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHUF	1:30:00 PM	76767						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDHUF	3:30:00 PM	76768						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY	9:30:00 AM	76769						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY	11:30:00 AM	76770						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY	1:30:00 PM	76771						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY	3:30:00 PM	76772						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY.fx	9:30:00 AM	76773						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY.fx	11:30:00 AM	76774						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY.fx	1:30:00 PM	76775						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDJPY.fx	3:30:00 PM	76776						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDMXN	9:30:00 AM	76777						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDMXN	11:30:00 AM	76778						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDMXN	1:30:00 PM	76779						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDMXN	3:30:00 PM	76780						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDNOK	9:30:00 AM	76781						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDNOK	11:30:00 AM	76782						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDNOK	1:30:00 PM	76783						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	NZDNOK	3:30:00 PM	76784						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDPLN	9:30:00 AM	76785						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDPLN	11:30:00 AM	76786						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDPLN	1:30:00 PM	76787						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDPLN	3:30:00 PM	76788						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSEK	9:30:00 AM	76789						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSEK	11:30:00 AM	76790						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSEK	1:30:00 PM	76791						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSEK	3:30:00 PM	76792						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD	9:30:00 AM	76793						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD	11:30:00 AM	76794						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD	1:30:00 PM	76795						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD	3:30:00 PM	76796						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD.fx	9:30:00 AM	76797						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD.fx	11:30:00 AM	76798						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD.fx	1:30:00 PM	76799						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDSGD.fx	3:30:00 PM	76800						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD	9:30:00 AM	76801						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD	11:30:00 AM	76802						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD	1:30:00 PM	76803						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD	3:30:00 PM	76804						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD.fx	9:30:00 AM	76805						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD.fx	11:30:00 AM	76806						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD.fx	1:30:00 PM	76807						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDUSD.fx	3:30:00 PM	76808						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDZAR	9:30:00 AM	76809						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDZAR	11:30:00 AM	76810						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDZAR	1:30:00 PM	76811						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	NZDZAR	3:30:00 PM	76812						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY	9:30:00 AM	76813						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY	11:30:00 AM	76814						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY	1:30:00 PM	76815						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY	3:30:00 PM	76816						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY.fx	9:30:00 AM	76817						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	SEKJPY.fx	11:30:00 AM	76818						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY.fx	1:30:00 PM	76819						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SEKJPY.fx	3:30:00 PM	76820						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SGDJPY	9:30:00 AM	76821						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SGDJPY	11:30:00 AM	76822						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SGDJPY	1:30:00 PM	76823						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SGDJPY	3:30:00 PM	76824						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SILVER	9:30:00 AM	76825						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SILVER	11:30:00 AM	76826						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SILVER	1:30:00 PM	76827						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SILVER	3:30:00 PM	76828						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SPX500.i	9:30:00 AM	76829						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SPX500.i	11:30:00 AM	76830						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SPX500.i	1:30:00 PM	76831						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	SPX500.i	3:30:00 PM	76832						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	UK100.i	9:30:00 AM	76833						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	UK100.i	11:30:00 AM	76834						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	UK100.i	1:30:00 PM	76835						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	UK100.i	3:30:00 PM	76836						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD	9:30:00 AM	76837						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD	11:30:00 AM	76838						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD	1:30:00 PM	76839						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD	3:30:00 PM	76840						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD.fx	9:30:00 AM	76841						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD.fx	11:30:00 AM	76842						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD.fx	1:30:00 PM	76843						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCAD.fx	3:30:00 PM	76844						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF	9:30:00 AM	76845						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF	11:30:00 AM	76846						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF	1:30:00 PM	76847						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF	3:30:00 PM	76848						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF.fx	9:30:00 AM	76849						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF.fx	11:30:00 AM	76850						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCHF.fx	1:30:00 PM	76851						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	USDCHF.fx	3:30:00 PM	76852						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK	9:30:00 AM	76853						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK	11:30:00 AM	76854						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK	1:30:00 PM	76855						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK	3:30:00 PM	76856						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK.fx	9:30:00 AM	76857						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK.fx	11:30:00 AM	76858						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK.fx	1:30:00 PM	76859						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDCZK.fx	3:30:00 PM	76860						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK	9:30:00 AM	76861						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK	11:30:00 AM	76862						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK	1:30:00 PM	76863						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK	3:30:00 PM	76864						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK.fx	9:30:00 AM	76865						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK.fx	11:30:00 AM	76866						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK.fx	1:30:00 PM	76867						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDDKK.fx	3:30:00 PM	76868						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD	9:30:00 AM	76869						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD	11:30:00 AM	76870						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD	1:30:00 PM	76871						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD	3:30:00 PM	76872						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD.fx	9:30:00 AM	76873						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD.fx	11:30:00 AM	76874						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD.fx	1:30:00 PM	76875						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHKD.fx	3:30:00 PM	76876						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF	9:30:00 AM	76877						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF	11:30:00 AM	76878						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF	1:30:00 PM	76879						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF	3:30:00 PM	76880						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF.fx	9:30:00 AM	76881						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF.fx	11:30:00 AM	76882						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF.fx	1:30:00 PM	76883						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDHUF.fx	3:30:00 PM	76884						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDINR	9:30:00 AM	76885						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	USDINR	11:30:00 AM	76886						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDINR	1:30:00 PM	76887						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDINR	3:30:00 PM	76888						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY	9:30:00 AM	76889						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY	11:30:00 AM	76890						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY	1:30:00 PM	76891						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY	3:30:00 PM	76892						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY.fx	9:30:00 AM	76893						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY.fx	11:30:00 AM	76894						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY.fx	1:30:00 PM	76895						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDJPY.fx	3:30:00 PM	76896						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDMXN	9:30:00 AM	76897						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDMXN	11:30:00 AM	76898						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDMXN	1:30:00 PM	76899						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDMXN	3:30:00 PM	76900						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JSDMXN.fx	9:30:00 AM	76901						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JSDMXN.fx	11:30:00 AM	76902						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JSDMXN.fx	1:30:00 PM	76903						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	JSDMXN.fx	3:30:00 PM	76904						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK	9:30:00 AM	76905						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK	11:30:00 AM	76906						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK	1:30:00 PM	76907						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK	3:30:00 PM	76908						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK.fx	9:30:00 AM	76909						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK.fx	11:30:00 AM	76910						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK.fx	1:30:00 PM	76911						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDNOK.fx	3:30:00 PM	76912						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDPLN	9:30:00 AM	76913						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDPLN	11:30:00 AM	76914						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	USDPLN	3:30:00 PM	76916						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDPLN.fx	9:30:00 AM	76917						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDPLN.fx	11:30:00 AM	76918						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDPLN.fx	1:30:00 PM	76919						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	USDPLN.fx	3:30:00 PM	76920						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDRUB	9:30:00 AM	76921						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDRUB	11:30:00 AM	76922						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDRUB	1:30:00 PM	76923						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDRUB	3:30:00 PM	76924						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK	9:30:00 AM	76925						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK	11:30:00 AM	76926						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK	1:30:00 PM	76927						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK	3:30:00 PM	76928						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK.fx	9:30:00 AM	76929						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK.fx	11:30:00 AM	76930						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSEK.fx	1:30:00 PM	76931						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	USDSGD	11:30:00 AM	76934						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSGD	1:30:00 PM	76935						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDSGD	3:30:00 PM	76936						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	USDSGD.fx	3:30:00 PM	76940						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR	9:30:00 AM	76941						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR	11:30:00 AM	76942						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR	1:30:00 PM	76943						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR	3:30:00 PM	76944						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR.fx	9:30:00 AM	76945						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR.fx	11:30:00 AM	76946						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR.fx	1:30:00 PM	76947						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	USDZAR.fx	3:30:00 PM	76948						Continuous Quote	N/A	ELECTRONIC	N/A
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12/4/2019	XAUUSD	11:30:00 AM	76950						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	XAUUSD	1:30:00 PM	76951						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	XAUUSD	3:30:00 PM	76952						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY	9:30:00 AM	76953						Continuous Quote	N/A	ELECTRONIC	N/A

12/4/2019	ZARJPY	11:30:00 AM	76954						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY	1:30:00 PM	76955						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY	3:30:00 PM	76956						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY.fx	9:30:00 AM	76957						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY.fx	11:30:00 AM	76958						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY.fx	1:30:00 PM	76959						Continuous Quote	N/A	ELECTRONIC	N/A
12/4/2019	ZARJPY.fx	3:30:00 PM	76960						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AA	3:30:00 PM	76964						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AABA	11:30:00 AM	76966						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AABA	1:30:00 PM	76967						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AABA	3:30:00 PM	76968						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AAPL	9:30:00 AM	76973						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#ADBE	9:30:00 AM	76977						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#ADBE	11:30:00 AM	76978						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#ADBE	3:30:00 PM	76980						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AIG	9:30:00 AM	76981						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AIG	1:30:00 PM	76983						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AIG	3:30:00 PM	76984						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AMD	9:30:00 AM	76985						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AMD	11:30:00 AM	76986						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AMD	1:30:00 PM	76987						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	#AMD	3:30:00 PM	76988						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AMZN	11:30:00 AM	76990						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#AMZN	3:30:00 PM	76992						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AXP	9:30:00 AM	76993						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AXP	11:30:00 AM	76994						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AXP	1:30:00 PM	76995						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#AXP	3:30:00 PM	76996						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BA	9:30:00 AM	76997						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BA	11:30:00 AM	76998						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#BA	3:30:00 PM	77000						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#BHP	3:30:00 PM	77016						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BIDU	9:30:00 AM	77017						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BIDU	11:30:00 AM	77018						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BIDU	1:30:00 PM	77019						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BIDU	3:30:00 PM	77020						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#Bitcoin	9:30:00 AM	77021						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	#Bitcoin	11:30:00 AM	77022						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#BK	11:30:00 AM	77026						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BK	1:30:00 PM	77027						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BK	3:30:00 PM	77028						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BLT	9:30:00 AM	77029						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BLT	11:30:00 AM	77030						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BLT	1:30:00 PM	77031						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BLT	3:30:00 PM	77032						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#BP	11:30:00 AM	77034						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#BTA	9:30:00 AM	77037						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BTA	11:30:00 AM	77038						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BTA	1:30:00 PM	77039						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#BTA	3:30:00 PM	77040						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#CAT	9:30:00 AM	77045						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#CAT	3:30:00 PM	77048						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#CHL	1:30:00 PM	77051						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#CHL	3:30:00 PM	77052						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#CL.f	9:30:00 AM	77053						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#CL.f	1:30:00 PM	77055						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	#CL.f	3:30:00 PM	77056						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#CMCSA	1:30:00 PM	77059						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#CMCSA	3:30:00 PM	77060						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#CSCO	9:30:00 AM	77061						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#DD	3:30:00 PM	77072						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#DWDP	9:30:00 AM	77077						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#Ethereum	3:30:00 PM	77088						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	#F	9:30:00 AM	77089						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	#F	11:30:00 AM	77090						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#F	3:30:00 PM	77092						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#LLOY	3:30:00 PM	77196						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	#S	3:30:00 PM	77312						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	AUDUSD.fx	1:30:00 PM	77491						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	AUS200.i	9:30:00 AM	77497						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	AUS200.i	11:30:00 AM	77498						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	AUS200.i	1:30:00 PM	77499						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	AUS200.i	3:30:00 PM	77500						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	BCHUSD	9:30:00 AM	77501						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	BCHUSD	11:30:00 AM	77502						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	BCHUSD	1:30:00 PM	77503						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	BCHUSD	3:30:00 PM	77504						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF	9:30:00 AM	77505						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF	11:30:00 AM	77506						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF	1:30:00 PM	77507						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF	3:30:00 PM	77508						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF.fx	9:30:00 AM	77509						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF.fx	11:30:00 AM	77510						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF.fx	1:30:00 PM	77511						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCHF.fx	3:30:00 PM	77512						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCZK	9:30:00 AM	77513						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCZK	11:30:00 AM	77514						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCZK	1:30:00 PM	77515						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADCZK	3:30:00 PM	77516						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADDKK	9:30:00 AM	77517						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADDKK	11:30:00 AM	77518						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADDKK	1:30:00 PM	77519						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADDKK	3:30:00 PM	77520						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHKD	9:30:00 AM	77521						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHKD	11:30:00 AM	77522						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHKD	1:30:00 PM	77523						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHKD	3:30:00 PM	77524						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHUF	9:30:00 AM	77525						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHUF	11:30:00 AM	77526						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHUF	1:30:00 PM	77527						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADHUF	3:30:00 PM	77528						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY	9:30:00 AM	77529						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY	11:30:00 AM	77530						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY	1:30:00 PM	77531						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	CADJPY	3:30:00 PM	77532						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY.fx	9:30:00 AM	77533						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY.fx	11:30:00 AM	77534						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY.fx	1:30:00 PM	77535						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADJPY.fx	3:30:00 PM	77536						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADMXN	9:30:00 AM	77537						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADMXN	11:30:00 AM	77538						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADMXN	1:30:00 PM	77539						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADMXN	3:30:00 PM	77540						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADNOK	9:30:00 AM	77541						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADNOK	11:30:00 AM	77542						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADNOK	1:30:00 PM	77543						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADNOK	3:30:00 PM	77544						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADPLN	9:30:00 AM	77545						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADPLN	11:30:00 AM	77546						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADPLN	1:30:00 PM	77547						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADPLN	3:30:00 PM	77548						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSEK	9:30:00 AM	77549						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSEK	11:30:00 AM	77550						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSEK	1:30:00 PM	77551						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSEK	3:30:00 PM	77552						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSGD	9:30:00 AM	77553						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSGD	11:30:00 AM	77554						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSGD	1:30:00 PM	77555						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADSGD	3:30:00 PM	77556						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADZAR	9:30:00 AM	77557						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADZAR	11:30:00 AM	77558						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADZAR	1:30:00 PM	77559						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CADZAR	3:30:00 PM	77560						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFCZK	9:30:00 AM	77561						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFCZK	11:30:00 AM	77562						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFCZK	1:30:00 PM	77563						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFCZK	3:30:00 PM	77564						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK	9:30:00 AM	77565						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	CHFDKK	11:30:00 AM	77566						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK	1:30:00 PM	77567						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK	3:30:00 PM	77568						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK.fx	9:30:00 AM	77569						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK.fx	11:30:00 AM	77570						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK.fx	1:30:00 PM	77571						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFDKK.fx	3:30:00 PM	77572						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHKD	9:30:00 AM	77573						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHKD	11:30:00 AM	77574						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHKD	1:30:00 PM	77575						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHKD	3:30:00 PM	77576						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHUF	9:30:00 AM	77577						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHUF	11:30:00 AM	77578						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHUF	1:30:00 PM	77579						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFHUF	3:30:00 PM	77580						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY	9:30:00 AM	77581						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY	11:30:00 AM	77582						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY	1:30:00 PM	77583						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY	3:30:00 PM	77584						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY.fx	9:30:00 AM	77585						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY.fx	11:30:00 AM	77586						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY.fx	1:30:00 PM	77587						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFJPY.fx	3:30:00 PM	77588						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFMXN	9:30:00 AM	77589						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFMXN	11:30:00 AM	77590						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFMXN	1:30:00 PM	77591						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFMXN	3:30:00 PM	77592						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK	9:30:00 AM	77593						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK	11:30:00 AM	77594						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK	1:30:00 PM	77595						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK	3:30:00 PM	77596						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK.fx	9:30:00 AM	77597						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK.fx	11:30:00 AM	77598						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFNOK.fx	1:30:00 PM	77599						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	CHFNOK.fx	3:30:00 PM	77600						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN	9:30:00 AM	77601						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN	11:30:00 AM	77602						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN	1:30:00 PM	77603						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN	3:30:00 PM	77604						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN.fx	9:30:00 AM	77605						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN.fx	11:30:00 AM	77606						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN.fx	1:30:00 PM	77607						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFPLN.fx	3:30:00 PM	77608						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSEK	9:30:00 AM	77609						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSEK	11:30:00 AM	77610						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSEK	1:30:00 PM	77611						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSEK	3:30:00 PM	77612						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD	9:30:00 AM	77613						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD	11:30:00 AM	77614						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD	1:30:00 PM	77615						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD	3:30:00 PM	77616						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD.fx	9:30:00 AM	77617						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD.fx	11:30:00 AM	77618						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD.fx	1:30:00 PM	77619						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFSGD.fx	3:30:00 PM	77620						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFZAR	9:30:00 AM	77621						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFZAR	11:30:00 AM	77622						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFZAR	1:30:00 PM	77623						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CHFZAR	3:30:00 PM	77624						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CZKJPY	9:30:00 AM	77625						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CZKJPY	11:30:00 AM	77626						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CZKJPY	1:30:00 PM	77627						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	CZKJPY	3:30:00 PM	77628						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DAX30.i	9:30:00 AM	77629						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DAX30.i	11:30:00 AM	77630						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DAX30.i	1:30:00 PM	77631						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DAX30.i	3:30:00 PM	77632						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DJ30.i	9:30:00 AM	77633						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	DJ30.i	11:30:00 AM	77634						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DJ30.i	1:30:00 PM	77635						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DJ30.i	3:30:00 PM	77636						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DKKJPY	9:30:00 AM	77637						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DKKJPY	11:30:00 AM	77638						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DKKJPY	1:30:00 PM	77639						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	DKKJPY	3:30:00 PM	77640						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD	9:30:00 AM	77641						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD	11:30:00 AM	77642						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD	1:30:00 PM	77643						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD	3:30:00 PM	77644						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD.fx	9:30:00 AM	77645						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD.fx	11:30:00 AM	77646						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD.fx	1:30:00 PM	77647						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURAUD.fx	3:30:00 PM	77648						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD	9:30:00 AM	77649						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD	11:30:00 AM	77650						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD	1:30:00 PM	77651						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD	3:30:00 PM	77652						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD.fx	9:30:00 AM	77653						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD.fx	11:30:00 AM	77654						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD.fx	1:30:00 PM	77655						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCAD.fx	3:30:00 PM	77656						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF	9:30:00 AM	77657						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF	11:30:00 AM	77658						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF	1:30:00 PM	77659						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF	3:30:00 PM	77660						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF.fx	9:30:00 AM	77661						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF.fx	11:30:00 AM	77662						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF.fx	1:30:00 PM	77663						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCHF.fx	3:30:00 PM	77664						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCZK	9:30:00 AM	77665						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCZK	11:30:00 AM	77666						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURCZK	1:30:00 PM	77667						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	EURCZK	3:30:00 PM	77668						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURDKK	9:30:00 AM	77669						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURDKK	11:30:00 AM	77670						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURDKK	1:30:00 PM	77671						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURDKK	3:30:00 PM	77672						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP	9:30:00 AM	77673						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP	11:30:00 AM	77674						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP	1:30:00 PM	77675						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP	3:30:00 PM	77676						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP.fx	9:30:00 AM	77677						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP.fx	11:30:00 AM	77678						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP.fx	1:30:00 PM	77679						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURGBP.fx	3:30:00 PM	77680						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD	9:30:00 AM	77681						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD	11:30:00 AM	77682						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD	1:30:00 PM	77683						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD	3:30:00 PM	77684						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD.fx	9:30:00 AM	77685						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD.fx	11:30:00 AM	77686						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD.fx	1:30:00 PM	77687						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHKD.fx	3:30:00 PM	77688						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF	9:30:00 AM	77689						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF	11:30:00 AM	77690						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF	1:30:00 PM	77691						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF	3:30:00 PM	77692						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF.fx	9:30:00 AM	77693						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF.fx	11:30:00 AM	77694						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF.fx	1:30:00 PM	77695						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURHUF.fx	3:30:00 PM	77696						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY	9:30:00 AM	77697						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY	11:30:00 AM	77698						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY	1:30:00 PM	77699						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY	3:30:00 PM	77700						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY.fx	9:30:00 AM	77701						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	EURJPY.fx	11:30:00 AM	77702						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY.fx	1:30:00 PM	77703						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURJPY.fx	3:30:00 PM	77704						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN	9:30:00 AM	77705						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN	11:30:00 AM	77706						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN	1:30:00 PM	77707						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN	3:30:00 PM	77708						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN.fx	9:30:00 AM	77709						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN.fx	11:30:00 AM	77710						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN.fx	1:30:00 PM	77711						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURMXN.fx	3:30:00 PM	77712						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK	9:30:00 AM	77713						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK	11:30:00 AM	77714						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK	1:30:00 PM	77715						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK	3:30:00 PM	77716						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK.fx	9:30:00 AM	77717						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK.fx	11:30:00 AM	77718						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK.fx	1:30:00 PM	77719						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNOK.fx	3:30:00 PM	77720						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD	9:30:00 AM	77721						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD	11:30:00 AM	77722						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD	1:30:00 PM	77723						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD	3:30:00 PM	77724						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD.fx	9:30:00 AM	77725						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD.fx	11:30:00 AM	77726						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD.fx	1:30:00 PM	77727						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURNZD.fx	3:30:00 PM	77728						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN	9:30:00 AM	77729						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN	11:30:00 AM	77730						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN	1:30:00 PM	77731						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN	3:30:00 PM	77732						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN.fx	9:30:00 AM	77733						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN.fx	11:30:00 AM	77734						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURPLN.fx	1:30:00 PM	77735						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	EURPLN.fx	3:30:00 PM	77736						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURRUB	9:30:00 AM	77737						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURRUB	11:30:00 AM	77738						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURRUB	1:30:00 PM	77739						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURRUB	3:30:00 PM	77740						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK	9:30:00 AM	77741						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK	11:30:00 AM	77742						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK	1:30:00 PM	77743						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK	3:30:00 PM	77744						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK.fx	9:30:00 AM	77745						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK.fx	11:30:00 AM	77746						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK.fx	1:30:00 PM	77747						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSEK.fx	3:30:00 PM	77748						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD	9:30:00 AM	77749						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD	11:30:00 AM	77750						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD	1:30:00 PM	77751						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD	3:30:00 PM	77752						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD.fx	9:30:00 AM	77753						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD.fx	11:30:00 AM	77754						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD.fx	1:30:00 PM	77755						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURSGD.fx	3:30:00 PM	77756						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD	9:30:00 AM	77757						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD	11:30:00 AM	77758						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD	1:30:00 PM	77759						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD	3:30:00 PM	77760						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD.fx	9:30:00 AM	77761						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD.fx	11:30:00 AM	77762						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD.fx	1:30:00 PM	77763						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURUSD.fx	3:30:00 PM	77764						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR	9:30:00 AM	77765						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR	11:30:00 AM	77766						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR	1:30:00 PM	77767						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR	3:30:00 PM	77768						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR.fx	9:30:00 AM	77769						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	EURZAR.fx	11:30:00 AM	77770						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR.fx	1:30:00 PM	77771						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	EURZAR.fx	3:30:00 PM	77772						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD	9:30:00 AM	77773						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD	11:30:00 AM	77774						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD	1:30:00 PM	77775						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD	3:30:00 PM	77776						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD.fx	9:30:00 AM	77777						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD.fx	11:30:00 AM	77778						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD.fx	1:30:00 PM	77779						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPAUD.fx	3:30:00 PM	77780						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD	9:30:00 AM	77781						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD	11:30:00 AM	77782						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD	1:30:00 PM	77783						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD	3:30:00 PM	77784						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD.fx	9:30:00 AM	77785						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD.fx	11:30:00 AM	77786						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD.fx	1:30:00 PM	77787						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCAD.fx	3:30:00 PM	77788						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF	9:30:00 AM	77789						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF	11:30:00 AM	77790						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF	1:30:00 PM	77791						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF	3:30:00 PM	77792						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF.fx	9:30:00 AM	77793						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF.fx	11:30:00 AM	77794						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF.fx	1:30:00 PM	77795						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCHF.fx	3:30:00 PM	77796						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCZK	9:30:00 AM	77797						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCZK	11:30:00 AM	77798						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCZK	1:30:00 PM	77799						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPCZK	3:30:00 PM	77800						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK	9:30:00 AM	77801						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK	11:30:00 AM	77802						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK	1:30:00 PM	77803						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	GBPDKK	3:30:00 PM	77804						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK.fx	9:30:00 AM	77805						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK.fx	11:30:00 AM	77806						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK.fx	1:30:00 PM	77807						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPDKK.fx	3:30:00 PM	77808						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHKD	9:30:00 AM	77809						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHKD	11:30:00 AM	77810						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHKD	1:30:00 PM	77811						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHKD	3:30:00 PM	77812						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHUF	9:30:00 AM	77813						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHUF	11:30:00 AM	77814						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHUF	1:30:00 PM	77815						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPHUF	3:30:00 PM	77816						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY	9:30:00 AM	77817						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY	11:30:00 AM	77818						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY	1:30:00 PM	77819						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY	3:30:00 PM	77820						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY.fx	9:30:00 AM	77821						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY.fx	11:30:00 AM	77822						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY.fx	1:30:00 PM	77823						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPJPY.fx	3:30:00 PM	77824						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPMXN	9:30:00 AM	77825						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPMXN	11:30:00 AM	77826						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPMXN	1:30:00 PM	77827						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPMXN	3:30:00 PM	77828						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK	9:30:00 AM	77829						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK	11:30:00 AM	77830						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK	1:30:00 PM	77831						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK	3:30:00 PM	77832						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK.fx	9:30:00 AM	77833						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK.fx	11:30:00 AM	77834						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK.fx	1:30:00 PM	77835						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNOK.fx	3:30:00 PM	77836						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD	9:30:00 AM	77837						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	GBPNZD	11:30:00 AM	77838						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD	1:30:00 PM	77839						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD	3:30:00 PM	77840						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD.fx	9:30:00 AM	77841						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD.fx	11:30:00 AM	77842						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD.fx	1:30:00 PM	77843						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPNZD.fx	3:30:00 PM	77844						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN	9:30:00 AM	77845						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN	11:30:00 AM	77846						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN	1:30:00 PM	77847						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN	3:30:00 PM	77848						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN.fx	9:30:00 AM	77849						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN.fx	11:30:00 AM	77850						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN.fx	1:30:00 PM	77851						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPPLN.fx	3:30:00 PM	77852						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK	9:30:00 AM	77853						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK	11:30:00 AM	77854						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK	1:30:00 PM	77855						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK	3:30:00 PM	77856						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK.fx	9:30:00 AM	77857						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK.fx	11:30:00 AM	77858						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK.fx	1:30:00 PM	77859						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSEK.fx	3:30:00 PM	77860						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD	9:30:00 AM	77861						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD	11:30:00 AM	77862						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD	1:30:00 PM	77863						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD	3:30:00 PM	77864						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD.fx	9:30:00 AM	77865						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD.fx	11:30:00 AM	77866						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD.fx	1:30:00 PM	77867						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPSGD.fx	3:30:00 PM	77868						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD	9:30:00 AM	77869						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD	11:30:00 AM	77870						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD	1:30:00 PM	77871						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	GBPUSD	3:30:00 PM	77872						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD.fx	9:30:00 AM	77873						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD.fx	11:30:00 AM	77874						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPUSD.fx	1:30:00 PM	77875						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	GBPZAR.fx	11:30:00 AM	77882						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPZAR.fx	1:30:00 PM	77883						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GBPZAR.fx	3:30:00 PM	77884						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GOLD	9:30:00 AM	77885						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GOLD	11:30:00 AM	77886						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GOLD	1:30:00 PM	77887						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	GOLD	3:30:00 PM	77888						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY	9:30:00 AM	77889						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY	11:30:00 AM	77890						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY	1:30:00 PM	77891						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY	3:30:00 PM	77892						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY.fx	9:30:00 AM	77893						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY.fx	11:30:00 AM	77894						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY.fx	1:30:00 PM	77895						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HKDJPY.fx	3:30:00 PM	77896						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HUFJPY	9:30:00 AM	77897						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HUFJPY	11:30:00 AM	77898						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HUFJPY	1:30:00 PM	77899						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	HUFJPY	3:30:00 PM	77900						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JP225.i	9:30:00 AM	77901						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JP225.i	11:30:00 AM	77902						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JP225.i	1:30:00 PM	77903						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JP225.i	3:30:00 PM	77904						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	MXNJPY	9:30:00 AM	77905						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	MXNJPY	11:30:00 AM	77906						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	MXNJPY	1:30:00 PM	77907						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	MXNJPY	3:30:00 PM	77908						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NASDAQ.i	9:30:00 AM	77909						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NASDAQ.i	11:30:00 AM	77910						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NASDAQ.i	1:30:00 PM	77911						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NASDAQ.i	3:30:00 PM	77912						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY	9:30:00 AM	77913						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY	11:30:00 AM	77914						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY	1:30:00 PM	77915						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY	3:30:00 PM	77916						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY.fx	9:30:00 AM	77917						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY.fx	11:30:00 AM	77918						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY.fx	1:30:00 PM	77919						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NOKJPY.fx	3:30:00 PM	77920						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD	9:30:00 AM	77921						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD	11:30:00 AM	77922						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD	1:30:00 PM	77923						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD	3:30:00 PM	77924						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD.fx	9:30:00 AM	77925						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD.fx	11:30:00 AM	77926						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD.fx	1:30:00 PM	77927						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCAD.fx	3:30:00 PM	77928						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF	9:30:00 AM	77929						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF	11:30:00 AM	77930						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF	1:30:00 PM	77931						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF	3:30:00 PM	77932						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF.fx	9:30:00 AM	77933						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF.fx	11:30:00 AM	77934						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF.fx	1:30:00 PM	77935						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCHF.fx	3:30:00 PM	77936						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCZK	9:30:00 AM	77937						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCZK	11:30:00 AM	77938						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDCZK	1:30:00 PM	77939						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	NZDCZK	3:30:00 PM	77940						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDDKK	9:30:00 AM	77941						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDDKK	11:30:00 AM	77942						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDDKK	1:30:00 PM	77943						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDDKK	3:30:00 PM	77944						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHKD	9:30:00 AM	77945						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHKD	11:30:00 AM	77946						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHKD	1:30:00 PM	77947						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHKD	3:30:00 PM	77948						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHUF	9:30:00 AM	77949						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHUF	11:30:00 AM	77950						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHUF	1:30:00 PM	77951						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDHUF	3:30:00 PM	77952						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY	9:30:00 AM	77953						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY	11:30:00 AM	77954						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY	1:30:00 PM	77955						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY	3:30:00 PM	77956						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY.fx	9:30:00 AM	77957						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY.fx	11:30:00 AM	77958						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY.fx	1:30:00 PM	77959						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDJPY.fx	3:30:00 PM	77960						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDMXN	9:30:00 AM	77961						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDMXN	11:30:00 AM	77962						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDMXN	1:30:00 PM	77963						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDMXN	3:30:00 PM	77964						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDNOK	9:30:00 AM	77965						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDNOK	11:30:00 AM	77966						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDNOK	1:30:00 PM	77967						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDNOK	3:30:00 PM	77968						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDPLN	9:30:00 AM	77969						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDPLN	11:30:00 AM	77970						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDPLN	1:30:00 PM	77971						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDPLN	3:30:00 PM	77972						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSEK	9:30:00 AM	77973						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	NZDSEK	11:30:00 AM	77974						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSEK	1:30:00 PM	77975						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSEK	3:30:00 PM	77976						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD	9:30:00 AM	77977						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD	11:30:00 AM	77978						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD	1:30:00 PM	77979						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD	3:30:00 PM	77980						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD.fx	9:30:00 AM	77981						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD.fx	11:30:00 AM	77982						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD.fx	1:30:00 PM	77983						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDSGD.fx	3:30:00 PM	77984						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD	9:30:00 AM	77985						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD	11:30:00 AM	77986						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD	1:30:00 PM	77987						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD	3:30:00 PM	77988						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD.fx	9:30:00 AM	77989						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD.fx	11:30:00 AM	77990						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD.fx	1:30:00 PM	77991						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDUSD.fx	3:30:00 PM	77992						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDZAR	9:30:00 AM	77993						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDZAR	11:30:00 AM	77994						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDZAR	1:30:00 PM	77995						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	NZDZAR	3:30:00 PM	77996						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY	9:30:00 AM	77997						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY	11:30:00 AM	77998						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY	1:30:00 PM	77999						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY	3:30:00 PM	78000						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY.fx	9:30:00 AM	78001						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY.fx	11:30:00 AM	78002						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY.fx	1:30:00 PM	78003						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SEKJPY.fx	3:30:00 PM	78004						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SGDJPY	9:30:00 AM	78005						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SGDJPY	11:30:00 AM	78006						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SGDJPY	1:30:00 PM	78007						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	SGDJPY	3:30:00 PM	78008						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SILVER	9:30:00 AM	78009						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SILVER	11:30:00 AM	78010						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SILVER	1:30:00 PM	78011						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SILVER	3:30:00 PM	78012						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SPX500.i	9:30:00 AM	78013						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SPX500.i	11:30:00 AM	78014						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SPX500.i	1:30:00 PM	78015						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	SPX500.i	3:30:00 PM	78016						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	UK100.i	9:30:00 AM	78017						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	UK100.i	11:30:00 AM	78018						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	UK100.i	1:30:00 PM	78019						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	UK100.i	3:30:00 PM	78020						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD	9:30:00 AM	78021						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD	11:30:00 AM	78022						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD	1:30:00 PM	78023						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD	3:30:00 PM	78024						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD.fx	9:30:00 AM	78025						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD.fx	11:30:00 AM	78026						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD.fx	1:30:00 PM	78027						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCAD.fx	3:30:00 PM	78028						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF	9:30:00 AM	78029						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF	11:30:00 AM	78030						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF	1:30:00 PM	78031						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF	3:30:00 PM	78032						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF.fx	9:30:00 AM	78033						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF.fx	11:30:00 AM	78034						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF.fx	1:30:00 PM	78035						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCHF.fx	3:30:00 PM	78036						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK	9:30:00 AM	78037						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK	11:30:00 AM	78038						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK	1:30:00 PM	78039						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK	3:30:00 PM	78040						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK.fx	9:30:00 AM	78041						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	USDCZK.fx	11:30:00 AM	78042						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK.fx	1:30:00 PM	78043						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDCZK.fx	3:30:00 PM	78044						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK	9:30:00 AM	78045						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK	11:30:00 AM	78046						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK	1:30:00 PM	78047						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK	3:30:00 PM	78048						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK.fx	9:30:00 AM	78049						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK.fx	11:30:00 AM	78050						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK.fx	1:30:00 PM	78051						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDDKK.fx	3:30:00 PM	78052						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD	9:30:00 AM	78053						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD	11:30:00 AM	78054						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD	1:30:00 PM	78055						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD	3:30:00 PM	78056						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD.fx	9:30:00 AM	78057						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD.fx	11:30:00 AM	78058						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD.fx	1:30:00 PM	78059						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHKD.fx	3:30:00 PM	78060						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF	9:30:00 AM	78061						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF	11:30:00 AM	78062						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF	1:30:00 PM	78063						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF	3:30:00 PM	78064						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF.fx	9:30:00 AM	78065						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF.fx	11:30:00 AM	78066						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF.fx	1:30:00 PM	78067						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDHUF.fx	3:30:00 PM	78068						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDINR	9:30:00 AM	78069						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDINR	11:30:00 AM	78070						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDINR	1:30:00 PM	78071						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDINR	3:30:00 PM	78072						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY	9:30:00 AM	78073						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY	11:30:00 AM	78074						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY	1:30:00 PM	78075						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	USDJPY	3:30:00 PM	78076						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY.fx	9:30:00 AM	78077						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY.fx	11:30:00 AM	78078						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY.fx	1:30:00 PM	78079						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDJPY.fx	3:30:00 PM	78080						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDMXN	9:30:00 AM	78081						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDMXN	11:30:00 AM	78082						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDMXN	1:30:00 PM	78083						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDMXN	3:30:00 PM	78084						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JSDMXN.fx	9:30:00 AM	78085						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JSDMXN.fx	11:30:00 AM	78086						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JSDMXN.fx	1:30:00 PM	78087						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	JSDMXN.fx	3:30:00 PM	78088						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK	9:30:00 AM	78089						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK	11:30:00 AM	78090						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK	1:30:00 PM	78091						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK	3:30:00 PM	78092						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK.fx	9:30:00 AM	78093						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK.fx	11:30:00 AM	78094						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK.fx	1:30:00 PM	78095						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDNOK.fx	3:30:00 PM	78096						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN	9:30:00 AM	78097						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN	11:30:00 AM	78098						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN	1:30:00 PM	78099						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN	3:30:00 PM	78100						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN.fx	9:30:00 AM	78101						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN.fx	11:30:00 AM	78102						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDPLN.fx	1:30:00 PM	78103						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	USDRUB	9:30:00 AM	78105						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDRUB	11:30:00 AM	78106						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDRUB	1:30:00 PM	78107						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDRUB	3:30:00 PM	78108						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSEK	9:30:00 AM	78109						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	USDSEK	11:30:00 AM	78110						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	USDSEK	3:30:00 PM	78112						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	USDSEK.fx	11:30:00 AM	78114						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSEK.fx	1:30:00 PM	78115						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSEK.fx	3:30:00 PM	78116						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD	9:30:00 AM	78117						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD	11:30:00 AM	78118						Continuous Quote	N/A	ELECTRONIC	N/A
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12/5/2019	USDSGD	3:30:00 PM	78120						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD.fx	9:30:00 AM	78121						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD.fx	11:30:00 AM	78122						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD.fx	1:30:00 PM	78123						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDSGD.fx	3:30:00 PM	78124						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR	9:30:00 AM	78125						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR	11:30:00 AM	78126						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR	1:30:00 PM	78127						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR	3:30:00 PM	78128						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR.fx	9:30:00 AM	78129						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR.fx	11:30:00 AM	78130						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR.fx	1:30:00 PM	78131						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	USDZAR.fx	3:30:00 PM	78132						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	XAUUSD	9:30:00 AM	78133						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	XAUUSD	11:30:00 AM	78134						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	XAUUSD	1:30:00 PM	78135						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	XAUUSD	3:30:00 PM	78136						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY	9:30:00 AM	78137						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY	11:30:00 AM	78138						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY	1:30:00 PM	78139						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY	3:30:00 PM	78140						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY.fx	9:30:00 AM	78141						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY.fx	11:30:00 AM	78142						Continuous Quote	N/A	ELECTRONIC	N/A
12/5/2019	ZARJPY.fx	1:30:00 PM	78143						Continuous Quote	N/A	ELECTRONIC	N/A

12/5/2019	ZARJPY.fx	3:30:00 PM	78144						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#AAL	3:30:00 PM	78156						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#AIG	3:30:00 PM	78168						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#AMD	9:30:00 AM	78169						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#AMD	11:30:00 AM	78170						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#AMZN	3:30:00 PM	78176						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#BABA	9:30:00 AM	78185						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BABA	11:30:00 AM	78186						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BABA	1:30:00 PM	78187						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BABA	3:30:00 PM	78188						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#Bitcoin	3:30:00 PM	78208						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#BLT	11:30:00 AM	78214						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BLT	1:30:00 PM	78215						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BLT	3:30:00 PM	78216						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BP	9:30:00 AM	78217						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#BTA	1:30:00 PM	78223						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	#BTA	3:30:00 PM	78224						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	#CMCSA	9:30:00 AM	78241						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	AUS200.i	3:30:00 PM	78684						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	BCHUSD	9:30:00 AM	78685						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	BCHUSD	11:30:00 AM	78686						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	BCHUSD	1:30:00 PM	78687						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	BCHUSD	3:30:00 PM	78688						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF	9:30:00 AM	78689						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF	11:30:00 AM	78690						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF	1:30:00 PM	78691						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF	3:30:00 PM	78692						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF.fx	9:30:00 AM	78693						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF.fx	11:30:00 AM	78694						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF.fx	1:30:00 PM	78695						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCHF.fx	3:30:00 PM	78696						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCZK	9:30:00 AM	78697						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCZK	11:30:00 AM	78698						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCZK	1:30:00 PM	78699						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADCZK	3:30:00 PM	78700						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADDDKK	9:30:00 AM	78701						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADDDKK	11:30:00 AM	78702						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADDDKK	1:30:00 PM	78703						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADDDKK	3:30:00 PM	78704						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHKD	9:30:00 AM	78705						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHKD	11:30:00 AM	78706						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHKD	1:30:00 PM	78707						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHKD	3:30:00 PM	78708						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHUF	9:30:00 AM	78709						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHUF	11:30:00 AM	78710						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHUF	1:30:00 PM	78711						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADHUF	3:30:00 PM	78712						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY	9:30:00 AM	78713						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY	11:30:00 AM	78714						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY	1:30:00 PM	78715						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY	3:30:00 PM	78716						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY.fx	9:30:00 AM	78717						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY.fx	11:30:00 AM	78718						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY.fx	1:30:00 PM	78719						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADJPY.fx	3:30:00 PM	78720						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADMXN	9:30:00 AM	78721						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	CADMXN	11:30:00 AM	78722						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADMXN	1:30:00 PM	78723						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADMXN	3:30:00 PM	78724						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADNOK	9:30:00 AM	78725						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADNOK	11:30:00 AM	78726						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADNOK	1:30:00 PM	78727						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADNOK	3:30:00 PM	78728						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADPLN	9:30:00 AM	78729						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADPLN	11:30:00 AM	78730						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADPLN	1:30:00 PM	78731						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADPLN	3:30:00 PM	78732						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSEK	9:30:00 AM	78733						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSEK	11:30:00 AM	78734						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSEK	1:30:00 PM	78735						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSEK	3:30:00 PM	78736						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSGD	9:30:00 AM	78737						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSGD	11:30:00 AM	78738						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSGD	1:30:00 PM	78739						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADSGD	3:30:00 PM	78740						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADZAR	9:30:00 AM	78741						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADZAR	11:30:00 AM	78742						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADZAR	1:30:00 PM	78743						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CADZAR	3:30:00 PM	78744						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFCZK	9:30:00 AM	78745						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFCZK	11:30:00 AM	78746						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFCZK	1:30:00 PM	78747						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFCZK	3:30:00 PM	78748						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK	9:30:00 AM	78749						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK	11:30:00 AM	78750						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK	1:30:00 PM	78751						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK	3:30:00 PM	78752						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK.fx	9:30:00 AM	78753						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK.fx	11:30:00 AM	78754						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFDKK.fx	1:30:00 PM	78755						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	CHFDKK.fx	3:30:00 PM	78756						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHKD	9:30:00 AM	78757						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHKD	11:30:00 AM	78758						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHKD	1:30:00 PM	78759						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHKD	3:30:00 PM	78760						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHUF	9:30:00 AM	78761						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHUF	11:30:00 AM	78762						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHUF	1:30:00 PM	78763						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFHUF	3:30:00 PM	78764						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY	9:30:00 AM	78765						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY	11:30:00 AM	78766						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY	1:30:00 PM	78767						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY	3:30:00 PM	78768						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY.fx	9:30:00 AM	78769						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY.fx	11:30:00 AM	78770						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY.fx	1:30:00 PM	78771						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFJPY.fx	3:30:00 PM	78772						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFMXN	9:30:00 AM	78773						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFMXN	11:30:00 AM	78774						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFMXN	1:30:00 PM	78775						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFMXN	3:30:00 PM	78776						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK	9:30:00 AM	78777						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK	11:30:00 AM	78778						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK	1:30:00 PM	78779						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK	3:30:00 PM	78780						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK.fx	9:30:00 AM	78781						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK.fx	11:30:00 AM	78782						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK.fx	1:30:00 PM	78783						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFNOK.fx	3:30:00 PM	78784						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN	9:30:00 AM	78785						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN	11:30:00 AM	78786						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN	1:30:00 PM	78787						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN	3:30:00 PM	78788						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN.fx	9:30:00 AM	78789						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	CHFPLN.fx	11:30:00 AM	78790						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN.fx	1:30:00 PM	78791						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFPLN.fx	3:30:00 PM	78792						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSEK	9:30:00 AM	78793						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSEK	11:30:00 AM	78794						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSEK	1:30:00 PM	78795						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSEK	3:30:00 PM	78796						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD	9:30:00 AM	78797						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD	11:30:00 AM	78798						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD	1:30:00 PM	78799						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD	3:30:00 PM	78800						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD.fx	9:30:00 AM	78801						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD.fx	11:30:00 AM	78802						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD.fx	1:30:00 PM	78803						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFSGD.fx	3:30:00 PM	78804						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFZAR	9:30:00 AM	78805						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFZAR	11:30:00 AM	78806						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFZAR	1:30:00 PM	78807						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CHFZAR	3:30:00 PM	78808						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CZKJPY	9:30:00 AM	78809						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CZKJPY	11:30:00 AM	78810						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CZKJPY	1:30:00 PM	78811						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	CZKJPY	3:30:00 PM	78812						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DAX30.i	9:30:00 AM	78813						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DAX30.i	11:30:00 AM	78814						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DAX30.i	1:30:00 PM	78815						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DAX30.i	3:30:00 PM	78816						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DJ30.i	9:30:00 AM	78817						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DJ30.i	11:30:00 AM	78818						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DJ30.i	1:30:00 PM	78819						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DJ30.i	3:30:00 PM	78820						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DKKJPY	9:30:00 AM	78821						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DKKJPY	11:30:00 AM	78822						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	DKKJPY	1:30:00 PM	78823						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	DKKJPY	3:30:00 PM	78824						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD	9:30:00 AM	78825						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD	11:30:00 AM	78826						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD	1:30:00 PM	78827						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD	3:30:00 PM	78828						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD.fx	9:30:00 AM	78829						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD.fx	11:30:00 AM	78830						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD.fx	1:30:00 PM	78831						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURAUD.fx	3:30:00 PM	78832						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD	9:30:00 AM	78833						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD	11:30:00 AM	78834						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD	1:30:00 PM	78835						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD	3:30:00 PM	78836						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD.fx	9:30:00 AM	78837						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD.fx	11:30:00 AM	78838						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD.fx	1:30:00 PM	78839						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCAD.fx	3:30:00 PM	78840						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF	9:30:00 AM	78841						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF	11:30:00 AM	78842						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF	1:30:00 PM	78843						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF	3:30:00 PM	78844						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF.fx	9:30:00 AM	78845						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF.fx	11:30:00 AM	78846						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF.fx	1:30:00 PM	78847						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCHF.fx	3:30:00 PM	78848						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCZK	9:30:00 AM	78849						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCZK	11:30:00 AM	78850						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCZK	1:30:00 PM	78851						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURCZK	3:30:00 PM	78852						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURDKK	9:30:00 AM	78853						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURDKK	11:30:00 AM	78854						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURDKK	1:30:00 PM	78855						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURDKK	3:30:00 PM	78856						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP	9:30:00 AM	78857						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	EURGBP	11:30:00 AM	78858						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP	1:30:00 PM	78859						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP	3:30:00 PM	78860						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP.fx	9:30:00 AM	78861						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP.fx	11:30:00 AM	78862						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP.fx	1:30:00 PM	78863						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURGBP.fx	3:30:00 PM	78864						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD	9:30:00 AM	78865						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD	11:30:00 AM	78866						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD	1:30:00 PM	78867						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD	3:30:00 PM	78868						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD.fx	9:30:00 AM	78869						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD.fx	11:30:00 AM	78870						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD.fx	1:30:00 PM	78871						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHKD.fx	3:30:00 PM	78872						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF	9:30:00 AM	78873						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF	11:30:00 AM	78874						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF	1:30:00 PM	78875						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF	3:30:00 PM	78876						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF.fx	9:30:00 AM	78877						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF.fx	11:30:00 AM	78878						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF.fx	1:30:00 PM	78879						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURHUF.fx	3:30:00 PM	78880						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY	9:30:00 AM	78881						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY	11:30:00 AM	78882						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY	1:30:00 PM	78883						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY	3:30:00 PM	78884						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY.fx	9:30:00 AM	78885						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY.fx	11:30:00 AM	78886						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY.fx	1:30:00 PM	78887						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURJPY.fx	3:30:00 PM	78888						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN	9:30:00 AM	78889						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN	11:30:00 AM	78890						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN	1:30:00 PM	78891						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	EURMXN	3:30:00 PM	78892						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN.fx	9:30:00 AM	78893						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN.fx	11:30:00 AM	78894						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN.fx	1:30:00 PM	78895						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURMXN.fx	3:30:00 PM	78896						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK	9:30:00 AM	78897						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK	11:30:00 AM	78898						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK	1:30:00 PM	78899						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK	3:30:00 PM	78900						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK.fx	9:30:00 AM	78901						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK.fx	11:30:00 AM	78902						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK.fx	1:30:00 PM	78903						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNOK.fx	3:30:00 PM	78904						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD	9:30:00 AM	78905						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD	11:30:00 AM	78906						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD	1:30:00 PM	78907						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD	3:30:00 PM	78908						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD.fx	9:30:00 AM	78909						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD.fx	11:30:00 AM	78910						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD.fx	1:30:00 PM	78911						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURNZD.fx	3:30:00 PM	78912						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN	9:30:00 AM	78913						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN	11:30:00 AM	78914						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN	1:30:00 PM	78915						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN	3:30:00 PM	78916						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN.fx	9:30:00 AM	78917						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN.fx	11:30:00 AM	78918						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN.fx	1:30:00 PM	78919						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURPLN.fx	3:30:00 PM	78920						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURRUB	9:30:00 AM	78921						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURRUB	11:30:00 AM	78922						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURRUB	1:30:00 PM	78923						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURRUB	3:30:00 PM	78924						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK	9:30:00 AM	78925						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	EURSEK	11:30:00 AM	78926						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK	1:30:00 PM	78927						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK	3:30:00 PM	78928						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK.fx	9:30:00 AM	78929						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK.fx	11:30:00 AM	78930						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK.fx	1:30:00 PM	78931						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSEK.fx	3:30:00 PM	78932						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD	9:30:00 AM	78933						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD	11:30:00 AM	78934						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD	1:30:00 PM	78935						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD	3:30:00 PM	78936						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD.fx	9:30:00 AM	78937						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD.fx	11:30:00 AM	78938						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD.fx	1:30:00 PM	78939						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURSGD.fx	3:30:00 PM	78940						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD	9:30:00 AM	78941						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD	11:30:00 AM	78942						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD	1:30:00 PM	78943						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD	3:30:00 PM	78944						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD.fx	9:30:00 AM	78945						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD.fx	11:30:00 AM	78946						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD.fx	1:30:00 PM	78947						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURUSD.fx	3:30:00 PM	78948						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR	9:30:00 AM	78949						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR	11:30:00 AM	78950						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR	1:30:00 PM	78951						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR	3:30:00 PM	78952						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR.fx	9:30:00 AM	78953						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR.fx	11:30:00 AM	78954						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR.fx	1:30:00 PM	78955						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	EURZAR.fx	3:30:00 PM	78956						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD	9:30:00 AM	78957						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD	11:30:00 AM	78958						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD	1:30:00 PM	78959						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	GBPAUD	3:30:00 PM	78960						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD.fx	9:30:00 AM	78961						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD.fx	11:30:00 AM	78962						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD.fx	1:30:00 PM	78963						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPAUD.fx	3:30:00 PM	78964						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD	9:30:00 AM	78965						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD	11:30:00 AM	78966						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD	1:30:00 PM	78967						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD	3:30:00 PM	78968						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD.fx	9:30:00 AM	78969						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD.fx	11:30:00 AM	78970						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD.fx	1:30:00 PM	78971						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCAD.fx	3:30:00 PM	78972						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF	9:30:00 AM	78973						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF	11:30:00 AM	78974						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF	1:30:00 PM	78975						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF	3:30:00 PM	78976						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF.fx	9:30:00 AM	78977						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF.fx	11:30:00 AM	78978						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF.fx	1:30:00 PM	78979						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCHF.fx	3:30:00 PM	78980						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCZK	9:30:00 AM	78981						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCZK	11:30:00 AM	78982						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCZK	1:30:00 PM	78983						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPCZK	3:30:00 PM	78984						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK	9:30:00 AM	78985						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK	11:30:00 AM	78986						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK	1:30:00 PM	78987						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK	3:30:00 PM	78988						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK.fx	9:30:00 AM	78989						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK.fx	11:30:00 AM	78990						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK.fx	1:30:00 PM	78991						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPDKK.fx	3:30:00 PM	78992						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHKD	9:30:00 AM	78993						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	GBPHKD	11:30:00 AM	78994						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHKD	1:30:00 PM	78995						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHKD	3:30:00 PM	78996						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHUF	9:30:00 AM	78997						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHUF	11:30:00 AM	78998						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHUF	1:30:00 PM	78999						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPHUF	3:30:00 PM	79000						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY	9:30:00 AM	79001						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY	11:30:00 AM	79002						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY	1:30:00 PM	79003						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY	3:30:00 PM	79004						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY.fx	9:30:00 AM	79005						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY.fx	11:30:00 AM	79006						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY.fx	1:30:00 PM	79007						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPJPY.fx	3:30:00 PM	79008						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPMXN	9:30:00 AM	79009						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPMXN	11:30:00 AM	79010						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPMXN	1:30:00 PM	79011						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPMXN	3:30:00 PM	79012						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK	9:30:00 AM	79013						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK	11:30:00 AM	79014						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK	1:30:00 PM	79015						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK	3:30:00 PM	79016						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK.fx	9:30:00 AM	79017						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK.fx	11:30:00 AM	79018						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK.fx	1:30:00 PM	79019						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNOK.fx	3:30:00 PM	79020						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD	9:30:00 AM	79021						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD	11:30:00 AM	79022						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD	1:30:00 PM	79023						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD	3:30:00 PM	79024						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD.fx	9:30:00 AM	79025						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD.fx	11:30:00 AM	79026						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPNZD.fx	1:30:00 PM	79027						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	GBPNZD.fx	3:30:00 PM	79028						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN	9:30:00 AM	79029						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN	11:30:00 AM	79030						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN	1:30:00 PM	79031						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN	3:30:00 PM	79032						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN.fx	9:30:00 AM	79033						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN.fx	11:30:00 AM	79034						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN.fx	1:30:00 PM	79035						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPPLN.fx	3:30:00 PM	79036						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK	9:30:00 AM	79037						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK	11:30:00 AM	79038						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK	1:30:00 PM	79039						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK	3:30:00 PM	79040						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK.fx	9:30:00 AM	79041						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK.fx	11:30:00 AM	79042						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK.fx	1:30:00 PM	79043						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSEK.fx	3:30:00 PM	79044						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD	9:30:00 AM	79045						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD	11:30:00 AM	79046						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD	1:30:00 PM	79047						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD	3:30:00 PM	79048						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD.fx	9:30:00 AM	79049						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD.fx	11:30:00 AM	79050						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD.fx	1:30:00 PM	79051						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPSGD.fx	3:30:00 PM	79052						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD	9:30:00 AM	79053						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD	11:30:00 AM	79054						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD	1:30:00 PM	79055						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD	3:30:00 PM	79056						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD.fx	9:30:00 AM	79057						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD.fx	11:30:00 AM	79058						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD.fx	1:30:00 PM	79059						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPUSD.fx	3:30:00 PM	79060						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR	9:30:00 AM	79061						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	GBPZAR	11:30:00 AM	79062						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR	1:30:00 PM	79063						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR	3:30:00 PM	79064						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR.fx	9:30:00 AM	79065						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR.fx	11:30:00 AM	79066						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR.fx	1:30:00 PM	79067						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GBPZAR.fx	3:30:00 PM	79068						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GOLD	9:30:00 AM	79069						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GOLD	11:30:00 AM	79070						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GOLD	1:30:00 PM	79071						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	GOLD	3:30:00 PM	79072						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY	9:30:00 AM	79073						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY	11:30:00 AM	79074						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY	1:30:00 PM	79075						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY	3:30:00 PM	79076						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY.fx	9:30:00 AM	79077						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY.fx	11:30:00 AM	79078						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY.fx	1:30:00 PM	79079						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HKDJPY.fx	3:30:00 PM	79080						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HUFJPY	9:30:00 AM	79081						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HUFJPY	11:30:00 AM	79082						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HUFJPY	1:30:00 PM	79083						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	HUFJPY	3:30:00 PM	79084						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JP225.i	9:30:00 AM	79085						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JP225.i	11:30:00 AM	79086						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JP225.i	1:30:00 PM	79087						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JP225.i	3:30:00 PM	79088						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	MXNJPY	9:30:00 AM	79089						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	MXNJPY	11:30:00 AM	79090						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	MXNJPY	1:30:00 PM	79091						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	MXNJPY	3:30:00 PM	79092						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NASDAQ.i	9:30:00 AM	79093						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NASDAQ.i	11:30:00 AM	79094						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NASDAQ.i	1:30:00 PM	79095						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	NASDAQ.i	3:30:00 PM	79096						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY	9:30:00 AM	79097						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY	11:30:00 AM	79098						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY	1:30:00 PM	79099						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY	3:30:00 PM	79100						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY.fx	9:30:00 AM	79101						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY.fx	11:30:00 AM	79102						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY.fx	1:30:00 PM	79103						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NOKJPY.fx	3:30:00 PM	79104						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD	9:30:00 AM	79105						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD	11:30:00 AM	79106						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD	1:30:00 PM	79107						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD	3:30:00 PM	79108						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD.fx	9:30:00 AM	79109						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD.fx	11:30:00 AM	79110						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD.fx	1:30:00 PM	79111						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCAD.fx	3:30:00 PM	79112						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF	9:30:00 AM	79113						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF	11:30:00 AM	79114						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF	1:30:00 PM	79115						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF	3:30:00 PM	79116						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF.fx	9:30:00 AM	79117						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF.fx	11:30:00 AM	79118						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF.fx	1:30:00 PM	79119						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCHF.fx	3:30:00 PM	79120						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCZK	9:30:00 AM	79121						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCZK	11:30:00 AM	79122						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCZK	1:30:00 PM	79123						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDCZK	3:30:00 PM	79124						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDDKK	9:30:00 AM	79125						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDDKK	11:30:00 AM	79126						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDDKK	1:30:00 PM	79127						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDDKK	3:30:00 PM	79128						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHKD	9:30:00 AM	79129						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	NZDHKD	11:30:00 AM	79130						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHKD	1:30:00 PM	79131						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHKD	3:30:00 PM	79132						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHUF	9:30:00 AM	79133						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHUF	11:30:00 AM	79134						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHUF	1:30:00 PM	79135						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDHUF	3:30:00 PM	79136						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY	9:30:00 AM	79137						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY	11:30:00 AM	79138						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY	1:30:00 PM	79139						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY	3:30:00 PM	79140						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY.fx	9:30:00 AM	79141						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY.fx	11:30:00 AM	79142						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY.fx	1:30:00 PM	79143						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDJPY.fx	3:30:00 PM	79144						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDMXN	9:30:00 AM	79145						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDMXN	11:30:00 AM	79146						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDMXN	1:30:00 PM	79147						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDMXN	3:30:00 PM	79148						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDNOK	9:30:00 AM	79149						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDNOK	11:30:00 AM	79150						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDNOK	1:30:00 PM	79151						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDNOK	3:30:00 PM	79152						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDPLN	9:30:00 AM	79153						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDPLN	11:30:00 AM	79154						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDPLN	1:30:00 PM	79155						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDPLN	3:30:00 PM	79156						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSEK	9:30:00 AM	79157						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSEK	11:30:00 AM	79158						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSEK	1:30:00 PM	79159						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSEK	3:30:00 PM	79160						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD	9:30:00 AM	79161						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD	11:30:00 AM	79162						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD	1:30:00 PM	79163						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	NZDSGD	3:30:00 PM	79164						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD.fx	9:30:00 AM	79165						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD.fx	11:30:00 AM	79166						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD.fx	1:30:00 PM	79167						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDSGD.fx	3:30:00 PM	79168						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD	9:30:00 AM	79169						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD	11:30:00 AM	79170						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD	1:30:00 PM	79171						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD	3:30:00 PM	79172						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD.fx	9:30:00 AM	79173						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD.fx	11:30:00 AM	79174						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD.fx	1:30:00 PM	79175						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDUSD.fx	3:30:00 PM	79176						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDZAR	9:30:00 AM	79177						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDZAR	11:30:00 AM	79178						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDZAR	1:30:00 PM	79179						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	NZDZAR	3:30:00 PM	79180						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY	9:30:00 AM	79181						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY	11:30:00 AM	79182						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY	1:30:00 PM	79183						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY	3:30:00 PM	79184						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY.fx	9:30:00 AM	79185						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY.fx	11:30:00 AM	79186						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY.fx	1:30:00 PM	79187						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SEKJPY.fx	3:30:00 PM	79188						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SGDJPY	9:30:00 AM	79189						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SGDJPY	11:30:00 AM	79190						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SGDJPY	1:30:00 PM	79191						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SGDJPY	3:30:00 PM	79192						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SILVER	9:30:00 AM	79193						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SILVER	11:30:00 AM	79194						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SILVER	1:30:00 PM	79195						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SILVER	3:30:00 PM	79196						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SPX500.i	9:30:00 AM	79197						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	SPX500.i	11:30:00 AM	79198						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SPX500.i	1:30:00 PM	79199						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	SPX500.i	3:30:00 PM	79200						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	UK100.i	9:30:00 AM	79201						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	UK100.i	11:30:00 AM	79202						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	UK100.i	1:30:00 PM	79203						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	UK100.i	3:30:00 PM	79204						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD	9:30:00 AM	79205						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD	11:30:00 AM	79206						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD	1:30:00 PM	79207						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD	3:30:00 PM	79208						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD.fx	9:30:00 AM	79209						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD.fx	11:30:00 AM	79210						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD.fx	1:30:00 PM	79211						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCAD.fx	3:30:00 PM	79212						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF	9:30:00 AM	79213						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF	11:30:00 AM	79214						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF	1:30:00 PM	79215						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF	3:30:00 PM	79216						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF.fx	9:30:00 AM	79217						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF.fx	11:30:00 AM	79218						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF.fx	1:30:00 PM	79219						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCHF.fx	3:30:00 PM	79220						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK	9:30:00 AM	79221						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK	11:30:00 AM	79222						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK	1:30:00 PM	79223						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK	3:30:00 PM	79224						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK.fx	9:30:00 AM	79225						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK.fx	11:30:00 AM	79226						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK.fx	1:30:00 PM	79227						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDCZK.fx	3:30:00 PM	79228						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK	9:30:00 AM	79229						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK	11:30:00 AM	79230						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK	1:30:00 PM	79231						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	USDDKK	3:30:00 PM	79232						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK.fx	9:30:00 AM	79233						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK.fx	11:30:00 AM	79234						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK.fx	1:30:00 PM	79235						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDDKK.fx	3:30:00 PM	79236						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD	9:30:00 AM	79237						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD	11:30:00 AM	79238						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD	1:30:00 PM	79239						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD	3:30:00 PM	79240						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD.fx	9:30:00 AM	79241						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD.fx	11:30:00 AM	79242						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD.fx	1:30:00 PM	79243						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHKD.fx	3:30:00 PM	79244						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF	9:30:00 AM	79245						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF	11:30:00 AM	79246						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF	1:30:00 PM	79247						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF	3:30:00 PM	79248						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF.fx	9:30:00 AM	79249						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF.fx	11:30:00 AM	79250						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF.fx	1:30:00 PM	79251						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDHUF.fx	3:30:00 PM	79252						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDINR	9:30:00 AM	79253						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDINR	11:30:00 AM	79254						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDINR	1:30:00 PM	79255						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDINR	3:30:00 PM	79256						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY	9:30:00 AM	79257						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY	11:30:00 AM	79258						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY	1:30:00 PM	79259						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY	3:30:00 PM	79260						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY.fx	9:30:00 AM	79261						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY.fx	11:30:00 AM	79262						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY.fx	1:30:00 PM	79263						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDJPY.fx	3:30:00 PM	79264						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDMXN	9:30:00 AM	79265						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	USDMXN	11:30:00 AM	79266						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDMXN	1:30:00 PM	79267						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDMXN	3:30:00 PM	79268						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JSDMXN.fx	9:30:00 AM	79269						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JSDMXN.fx	11:30:00 AM	79270						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JSDMXN.fx	1:30:00 PM	79271						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	JSDMXN.fx	3:30:00 PM	79272						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK	9:30:00 AM	79273						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK	11:30:00 AM	79274						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK	1:30:00 PM	79275						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK	3:30:00 PM	79276						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK.fx	9:30:00 AM	79277						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK.fx	11:30:00 AM	79278						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK.fx	1:30:00 PM	79279						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDNOK.fx	3:30:00 PM	79280						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN	9:30:00 AM	79281						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN	11:30:00 AM	79282						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN	1:30:00 PM	79283						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN	3:30:00 PM	79284						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN.fx	9:30:00 AM	79285						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN.fx	11:30:00 AM	79286						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN.fx	1:30:00 PM	79287						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDPLN.fx	3:30:00 PM	79288						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDRUB	9:30:00 AM	79289						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDRUB	11:30:00 AM	79290						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDRUB	1:30:00 PM	79291						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDRUB	3:30:00 PM	79292						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK	9:30:00 AM	79293						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK	11:30:00 AM	79294						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK	1:30:00 PM	79295						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK	3:30:00 PM	79296						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK.fx	9:30:00 AM	79297						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK.fx	11:30:00 AM	79298						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSEK.fx	1:30:00 PM	79299						Continuous Quote	N/A	ELECTRONIC	N/A

12/6/2019	USDSEK.fx	3:30:00 PM	79300						Continuous Quote	N/A	ELECTRONIC	N/A
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12/6/2019	USDSGD	11:30:00 AM	79302						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD	1:30:00 PM	79303						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD	3:30:00 PM	79304						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD.fx	9:30:00 AM	79305						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD.fx	11:30:00 AM	79306						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD.fx	1:30:00 PM	79307						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDSGD.fx	3:30:00 PM	79308						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR	9:30:00 AM	79309						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR	11:30:00 AM	79310						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR	1:30:00 PM	79311						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR	3:30:00 PM	79312						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR.fx	9:30:00 AM	79313						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR.fx	11:30:00 AM	79314						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR.fx	1:30:00 PM	79315						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	USDZAR.fx	3:30:00 PM	79316						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	XAUUSD	9:30:00 AM	79317						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	XAUUSD	11:30:00 AM	79318						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	XAUUSD	1:30:00 PM	79319						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	XAUUSD	3:30:00 PM	79320						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY	9:30:00 AM	79321						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY	11:30:00 AM	79322						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY	1:30:00 PM	79323						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY	3:30:00 PM	79324						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY.fx	9:30:00 AM	79325						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY.fx	11:30:00 AM	79326						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY.fx	1:30:00 PM	79327						Continuous Quote	N/A	ELECTRONIC	N/A
12/6/2019	ZARJPY.fx	3:30:00 PM	79328						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AA	3:30:00 PM	79332						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AABA	9:30:00 AM	79333						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	#AABA	11:30:00 AM	79334						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AABA	3:30:00 PM	79336						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AAL	3:30:00 PM	79340						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AAPL	9:30:00 AM	79341						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AAPL	11:30:00 AM	79342						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AAPL	1:30:00 PM	79343						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AAPL	3:30:00 PM	79344						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#ADBE	9:30:00 AM	79345						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#ADBE	11:30:00 AM	79346						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#ADBE	1:30:00 PM	79347						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#ADBE	3:30:00 PM	79348						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AIG	9:30:00 AM	79349						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AIG	1:30:00 PM	79351						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AIG	3:30:00 PM	79352						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AMD	9:30:00 AM	79353						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AMD	1:30:00 PM	79355						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AMD	3:30:00 PM	79356						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#AMZN	9:30:00 AM	79357						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#AXP	3:30:00 PM	79364						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BA	9:30:00 AM	79365						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BA	11:30:00 AM	79366						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BA	1:30:00 PM	79367						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	#BA	3:30:00 PM	79368						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BABA	11:30:00 AM	79370						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BAC	3:30:00 PM	79376						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BARC	9:30:00 AM	79377						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BARC	3:30:00 PM	79380						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BHP	9:30:00 AM	79381						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BHP	1:30:00 PM	79383						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BHP	3:30:00 PM	79384						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BIDU	9:30:00 AM	79385						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BIDU	11:30:00 AM	79386						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BIDU	3:30:00 PM	79388						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#Bitcoin	3:30:00 PM	79392						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BK	9:30:00 AM	79393						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BK	1:30:00 PM	79395						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BK	3:30:00 PM	79396						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BLT	9:30:00 AM	79397						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BLT	11:30:00 AM	79398						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BLT	1:30:00 PM	79399						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BLT	3:30:00 PM	79400						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BP	9:30:00 AM	79401						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	#BP	11:30:00 AM	79402						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BP	1:30:00 PM	79403						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BP	3:30:00 PM	79404						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#BTA	11:30:00 AM	79406						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BTA	1:30:00 PM	79407						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#BTA	3:30:00 PM	79408						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#C	9:30:00 AM	79409						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#C	3:30:00 PM	79412						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#CAT	9:30:00 AM	79413						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#CAT	3:30:00 PM	79416						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#CHL	9:30:00 AM	79417						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#CMCSA	1:30:00 PM	79427						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	#CMCSA	3:30:00 PM	79428						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#CVX	11:30:00 AM	79434						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#CVX	3:30:00 PM	79436						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	#DD	1:30:00 PM	79439						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	AUS200.i	1:30:00 PM	79867						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	AUS200.i	3:30:00 PM	79868						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	BCHUSD	1:30:00 PM	79871						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	BCHUSD	3:30:00 PM	79872						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CADCHF	11:30:00 AM	79874						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCHF	1:30:00 PM	79875						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCHF	3:30:00 PM	79876						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCHF.fx	9:30:00 AM	79877						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	CADCHF.fx	11:30:00 AM	79878						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCHF.fx	1:30:00 PM	79879						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCHF.fx	3:30:00 PM	79880						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCZK	9:30:00 AM	79881						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCZK	11:30:00 AM	79882						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCZK	1:30:00 PM	79883						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADCZK	3:30:00 PM	79884						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADDDKK	9:30:00 AM	79885						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADDDKK	11:30:00 AM	79886						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADDDKK	1:30:00 PM	79887						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADDDKK	3:30:00 PM	79888						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHKD	9:30:00 AM	79889						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHKD	11:30:00 AM	79890						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHKD	1:30:00 PM	79891						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHKD	3:30:00 PM	79892						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHUF	9:30:00 AM	79893						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHUF	11:30:00 AM	79894						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHUF	1:30:00 PM	79895						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADHUF	3:30:00 PM	79896						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY	9:30:00 AM	79897						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY	11:30:00 AM	79898						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY	1:30:00 PM	79899						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY	3:30:00 PM	79900						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY.fx	9:30:00 AM	79901						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY.fx	11:30:00 AM	79902						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY.fx	1:30:00 PM	79903						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADJPY.fx	3:30:00 PM	79904						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CADMXN	11:30:00 AM	79906						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADMXN	1:30:00 PM	79907						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADMXN	3:30:00 PM	79908						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADNOK	9:30:00 AM	79909						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADNOK	11:30:00 AM	79910						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADNOK	1:30:00 PM	79911						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	CADNOK	3:30:00 PM	79912						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CADPLN	11:30:00 AM	79914						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CADPLN	3:30:00 PM	79916						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CADSEK	1:30:00 PM	79919						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADSEK	3:30:00 PM	79920						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADSGD	9:30:00 AM	79921						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADSGD	11:30:00 AM	79922						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADSGD	1:30:00 PM	79923						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADSGD	3:30:00 PM	79924						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADZAR	9:30:00 AM	79925						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADZAR	11:30:00 AM	79926						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADZAR	1:30:00 PM	79927						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CADZAR	3:30:00 PM	79928						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFCZK	1:30:00 PM	79931						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFDKK	1:30:00 PM	79935						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFDKK	3:30:00 PM	79936						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFDKK.fx	11:30:00 AM	79938						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFDKK.fx	1:30:00 PM	79939						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFDKK.fx	3:30:00 PM	79940						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFHKD	3:30:00 PM	79944						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFHUF	9:30:00 AM	79945						Continuous Quote	N/A	ELECTRONIC	N/A

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12/7/2019	CHFJPY	3:30:00 PM	79952						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFJPY.fx	9:30:00 AM	79953						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFJPY.fx	11:30:00 AM	79954						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFJPY.fx	1:30:00 PM	79955						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFJPY.fx	3:30:00 PM	79956						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFMXN	1:30:00 PM	79959						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFMXN	3:30:00 PM	79960						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFNOK	3:30:00 PM	79964						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFNOK.fx	11:30:00 AM	79966						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFNOK.fx	1:30:00 PM	79967						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFPLN	11:30:00 AM	79970						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFPLN	1:30:00 PM	79971						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFPLN	3:30:00 PM	79972						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFPLN.fx	11:30:00 AM	79974						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFPLN.fx	1:30:00 PM	79975						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFPLN.fx	3:30:00 PM	79976						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSEK	9:30:00 AM	79977						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSEK	11:30:00 AM	79978						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSEK	1:30:00 PM	79979						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	CHFSEK	3:30:00 PM	79980						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSGD	9:30:00 AM	79981						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSGD	11:30:00 AM	79982						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSGD	1:30:00 PM	79983						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFSGD	3:30:00 PM	79984						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	CHFSGD.fx	3:30:00 PM	79988						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFZAR	9:30:00 AM	79989						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFZAR	11:30:00 AM	79990						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFZAR	1:30:00 PM	79991						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CHFZAR	3:30:00 PM	79992						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CZKJPY	9:30:00 AM	79993						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	CZKJPY	11:30:00 AM	79994						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	DAX30.i	1:30:00 PM	79999						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DAX30.i	3:30:00 PM	80000						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DJ30.i	9:30:00 AM	80001						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DJ30.i	11:30:00 AM	80002						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DJ30.i	1:30:00 PM	80003						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DJ30.i	3:30:00 PM	80004						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DKKJPY	9:30:00 AM	80005						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DKKJPY	11:30:00 AM	80006						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DKKJPY	1:30:00 PM	80007						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	DKKJPY	3:30:00 PM	80008						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURAUD	9:30:00 AM	80009						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURAUD	11:30:00 AM	80010						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURAUD	1:30:00 PM	80011						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURAUD.fx	11:30:00 AM	80014						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURAUD.fx	1:30:00 PM	80015						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURAUD.fx	3:30:00 PM	80016						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCAD	9:30:00 AM	80017						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURCHF	3:30:00 PM	80028						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCHF.fx	9:30:00 AM	80029						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCHF.fx	11:30:00 AM	80030						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCHF.fx	1:30:00 PM	80031						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCHF.fx	3:30:00 PM	80032						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURCZK	9:30:00 AM	80033						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURDKK	9:30:00 AM	80037						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURDKK	11:30:00 AM	80038						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURDKK	1:30:00 PM	80039						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURDKK	3:30:00 PM	80040						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURGBP	9:30:00 AM	80041						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURGBP	11:30:00 AM	80042						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURGBP.fx	11:30:00 AM	80046						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURGBP.fx	1:30:00 PM	80047						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	EURGBP.fx	3:30:00 PM	80048						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD	9:30:00 AM	80049						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD	11:30:00 AM	80050						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD	1:30:00 PM	80051						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD	3:30:00 PM	80052						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD.fx	9:30:00 AM	80053						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHKD.fx	11:30:00 AM	80054						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURHUF	1:30:00 PM	80059						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHUF	3:30:00 PM	80060						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHUF.fx	9:30:00 AM	80061						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHUF.fx	11:30:00 AM	80062						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHUF.fx	1:30:00 PM	80063						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURHUF.fx	3:30:00 PM	80064						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY	9:30:00 AM	80065						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY	11:30:00 AM	80066						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY	1:30:00 PM	80067						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY	3:30:00 PM	80068						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY.fx	9:30:00 AM	80069						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY.fx	11:30:00 AM	80070						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY.fx	1:30:00 PM	80071						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURJPY.fx	3:30:00 PM	80072						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN	9:30:00 AM	80073						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN	11:30:00 AM	80074						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN	1:30:00 PM	80075						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN	3:30:00 PM	80076						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN.fx	9:30:00 AM	80077						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN.fx	11:30:00 AM	80078						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN.fx	1:30:00 PM	80079						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURMXN.fx	3:30:00 PM	80080						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK	9:30:00 AM	80081						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	EURNOK	11:30:00 AM	80082						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK	1:30:00 PM	80083						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK	3:30:00 PM	80084						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK.fx	9:30:00 AM	80085						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK.fx	11:30:00 AM	80086						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK.fx	1:30:00 PM	80087						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNOK.fx	3:30:00 PM	80088						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD	9:30:00 AM	80089						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD	11:30:00 AM	80090						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD	1:30:00 PM	80091						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD	3:30:00 PM	80092						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD.fx	9:30:00 AM	80093						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD.fx	11:30:00 AM	80094						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD.fx	1:30:00 PM	80095						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURNZD.fx	3:30:00 PM	80096						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN	9:30:00 AM	80097						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN	11:30:00 AM	80098						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN	1:30:00 PM	80099						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN	3:30:00 PM	80100						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN.fx	9:30:00 AM	80101						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN.fx	11:30:00 AM	80102						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN.fx	1:30:00 PM	80103						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURPLN.fx	3:30:00 PM	80104						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURRUB	9:30:00 AM	80105						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURRUB	11:30:00 AM	80106						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURRUB	1:30:00 PM	80107						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURRUB	3:30:00 PM	80108						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK	9:30:00 AM	80109						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK	11:30:00 AM	80110						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK	1:30:00 PM	80111						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK	3:30:00 PM	80112						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK.fx	9:30:00 AM	80113						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK.fx	11:30:00 AM	80114						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSEK.fx	1:30:00 PM	80115						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	EURSEK.fx	3:30:00 PM	80116						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD	9:30:00 AM	80117						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD	11:30:00 AM	80118						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD	1:30:00 PM	80119						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD	3:30:00 PM	80120						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD.fx	9:30:00 AM	80121						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD.fx	11:30:00 AM	80122						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD.fx	1:30:00 PM	80123						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURSGD.fx	3:30:00 PM	80124						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD	9:30:00 AM	80125						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD	11:30:00 AM	80126						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD	1:30:00 PM	80127						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD	3:30:00 PM	80128						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD.fx	9:30:00 AM	80129						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD.fx	11:30:00 AM	80130						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD.fx	1:30:00 PM	80131						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURUSD.fx	3:30:00 PM	80132						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR	9:30:00 AM	80133						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR	11:30:00 AM	80134						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	EURZAR	3:30:00 PM	80136						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR.fx	9:30:00 AM	80137						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR.fx	11:30:00 AM	80138						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR.fx	1:30:00 PM	80139						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	EURZAR.fx	3:30:00 PM	80140						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD	9:30:00 AM	80141						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD	11:30:00 AM	80142						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD	1:30:00 PM	80143						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD	3:30:00 PM	80144						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD.fx	9:30:00 AM	80145						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD.fx	11:30:00 AM	80146						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD.fx	1:30:00 PM	80147						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPAUD.fx	3:30:00 PM	80148						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD	9:30:00 AM	80149						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	GBPCAD	11:30:00 AM	80150						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD	1:30:00 PM	80151						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD	3:30:00 PM	80152						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD.fx	9:30:00 AM	80153						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD.fx	11:30:00 AM	80154						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD.fx	1:30:00 PM	80155						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCAD.fx	3:30:00 PM	80156						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF	9:30:00 AM	80157						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF	11:30:00 AM	80158						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF	1:30:00 PM	80159						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF	3:30:00 PM	80160						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF.fx	9:30:00 AM	80161						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF.fx	11:30:00 AM	80162						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF.fx	1:30:00 PM	80163						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCHF.fx	3:30:00 PM	80164						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCZK	9:30:00 AM	80165						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCZK	11:30:00 AM	80166						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCZK	1:30:00 PM	80167						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPCZK	3:30:00 PM	80168						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK	9:30:00 AM	80169						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK	11:30:00 AM	80170						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK	1:30:00 PM	80171						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK	3:30:00 PM	80172						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK.fx	9:30:00 AM	80173						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK.fx	11:30:00 AM	80174						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK.fx	1:30:00 PM	80175						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPDKK.fx	3:30:00 PM	80176						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHKD	9:30:00 AM	80177						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHKD	11:30:00 AM	80178						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHKD	1:30:00 PM	80179						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHKD	3:30:00 PM	80180						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHUF	9:30:00 AM	80181						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHUF	11:30:00 AM	80182						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPHUF	1:30:00 PM	80183						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	GBPHUF	3:30:00 PM	80184						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY	9:30:00 AM	80185						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY	11:30:00 AM	80186						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY	1:30:00 PM	80187						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY	3:30:00 PM	80188						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY.fx	9:30:00 AM	80189						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY.fx	11:30:00 AM	80190						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY.fx	1:30:00 PM	80191						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPJPY.fx	3:30:00 PM	80192						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPMXN	9:30:00 AM	80193						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPMXN	11:30:00 AM	80194						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPMXN	1:30:00 PM	80195						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPMXN	3:30:00 PM	80196						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK	9:30:00 AM	80197						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK	11:30:00 AM	80198						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK	1:30:00 PM	80199						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK	3:30:00 PM	80200						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK.fx	9:30:00 AM	80201						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK.fx	11:30:00 AM	80202						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK.fx	1:30:00 PM	80203						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNOK.fx	3:30:00 PM	80204						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD	9:30:00 AM	80205						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD	11:30:00 AM	80206						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD	1:30:00 PM	80207						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD	3:30:00 PM	80208						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD.fx	9:30:00 AM	80209						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD.fx	11:30:00 AM	80210						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD.fx	1:30:00 PM	80211						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPNZD.fx	3:30:00 PM	80212						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN	9:30:00 AM	80213						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN	11:30:00 AM	80214						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN	1:30:00 PM	80215						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN	3:30:00 PM	80216						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN.fx	9:30:00 AM	80217						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	GBPPLN.fx	11:30:00 AM	80218						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN.fx	1:30:00 PM	80219						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPPLN.fx	3:30:00 PM	80220						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK	9:30:00 AM	80221						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK	11:30:00 AM	80222						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK	1:30:00 PM	80223						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK	3:30:00 PM	80224						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK.fx	9:30:00 AM	80225						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK.fx	11:30:00 AM	80226						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK.fx	1:30:00 PM	80227						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSEK.fx	3:30:00 PM	80228						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD	9:30:00 AM	80229						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD	11:30:00 AM	80230						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD	1:30:00 PM	80231						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD	3:30:00 PM	80232						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD.fx	9:30:00 AM	80233						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD.fx	11:30:00 AM	80234						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD.fx	1:30:00 PM	80235						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPSGD.fx	3:30:00 PM	80236						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD	9:30:00 AM	80237						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD	11:30:00 AM	80238						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD	1:30:00 PM	80239						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD	3:30:00 PM	80240						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD.fx	9:30:00 AM	80241						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD.fx	11:30:00 AM	80242						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD.fx	1:30:00 PM	80243						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPUSD.fx	3:30:00 PM	80244						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR	9:30:00 AM	80245						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR	11:30:00 AM	80246						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR	1:30:00 PM	80247						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR	3:30:00 PM	80248						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR.fx	9:30:00 AM	80249						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR.fx	11:30:00 AM	80250						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GBPZAR.fx	1:30:00 PM	80251						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	GBPZAR.fx	3:30:00 PM	80252						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GOLD	9:30:00 AM	80253						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GOLD	11:30:00 AM	80254						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GOLD	1:30:00 PM	80255						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	GOLD	3:30:00 PM	80256						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY	9:30:00 AM	80257						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY	11:30:00 AM	80258						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY	1:30:00 PM	80259						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY	3:30:00 PM	80260						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY.fx	9:30:00 AM	80261						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY.fx	11:30:00 AM	80262						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY.fx	1:30:00 PM	80263						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HKDJPY.fx	3:30:00 PM	80264						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HUFJPY	9:30:00 AM	80265						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HUFJPY	11:30:00 AM	80266						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HUFJPY	1:30:00 PM	80267						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	HUFJPY	3:30:00 PM	80268						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JP225.i	9:30:00 AM	80269						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JP225.i	11:30:00 AM	80270						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JP225.i	1:30:00 PM	80271						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JP225.i	3:30:00 PM	80272						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	MXNJPY	9:30:00 AM	80273						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	MXNJPY	11:30:00 AM	80274						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	MXNJPY	1:30:00 PM	80275						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	MXNJPY	3:30:00 PM	80276						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NASDAQ.i	9:30:00 AM	80277						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NASDAQ.i	11:30:00 AM	80278						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NASDAQ.i	1:30:00 PM	80279						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NASDAQ.i	3:30:00 PM	80280						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY	9:30:00 AM	80281						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY	11:30:00 AM	80282						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY	1:30:00 PM	80283						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY	3:30:00 PM	80284						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY.fx	9:30:00 AM	80285						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	NOKJPY.fx	11:30:00 AM	80286						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY.fx	1:30:00 PM	80287						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NOKJPY.fx	3:30:00 PM	80288						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD	9:30:00 AM	80289						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD	11:30:00 AM	80290						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD	1:30:00 PM	80291						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD	3:30:00 PM	80292						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD.fx	9:30:00 AM	80293						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD.fx	11:30:00 AM	80294						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD.fx	1:30:00 PM	80295						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCAD.fx	3:30:00 PM	80296						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF	9:30:00 AM	80297						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF	11:30:00 AM	80298						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF	1:30:00 PM	80299						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF	3:30:00 PM	80300						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF.fx	9:30:00 AM	80301						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF.fx	11:30:00 AM	80302						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF.fx	1:30:00 PM	80303						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCHF.fx	3:30:00 PM	80304						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCZK	9:30:00 AM	80305						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCZK	11:30:00 AM	80306						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCZK	1:30:00 PM	80307						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDCZK	3:30:00 PM	80308						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDDKK	9:30:00 AM	80309						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDDKK	11:30:00 AM	80310						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDDKK	1:30:00 PM	80311						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDDKK	3:30:00 PM	80312						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHKD	9:30:00 AM	80313						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHKD	11:30:00 AM	80314						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHKD	1:30:00 PM	80315						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHKD	3:30:00 PM	80316						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHUF	9:30:00 AM	80317						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHUF	11:30:00 AM	80318						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDHUF	1:30:00 PM	80319						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	NZDHUF	3:30:00 PM	80320						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY	9:30:00 AM	80321						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY	11:30:00 AM	80322						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY	1:30:00 PM	80323						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY	3:30:00 PM	80324						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY.fx	9:30:00 AM	80325						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY.fx	11:30:00 AM	80326						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY.fx	1:30:00 PM	80327						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDJPY.fx	3:30:00 PM	80328						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDMXN	9:30:00 AM	80329						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDMXN	11:30:00 AM	80330						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDMXN	1:30:00 PM	80331						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDMXN	3:30:00 PM	80332						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDNOK	9:30:00 AM	80333						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDNOK	11:30:00 AM	80334						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDNOK	1:30:00 PM	80335						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDNOK	3:30:00 PM	80336						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDPLN	9:30:00 AM	80337						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDPLN	11:30:00 AM	80338						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDPLN	1:30:00 PM	80339						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDPLN	3:30:00 PM	80340						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSEK	9:30:00 AM	80341						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSEK	11:30:00 AM	80342						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSEK	1:30:00 PM	80343						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSEK	3:30:00 PM	80344						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD	9:30:00 AM	80345						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD	11:30:00 AM	80346						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD	1:30:00 PM	80347						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD	3:30:00 PM	80348						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD.fx	9:30:00 AM	80349						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD.fx	11:30:00 AM	80350						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD.fx	1:30:00 PM	80351						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDSGD.fx	3:30:00 PM	80352						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD	9:30:00 AM	80353						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	NZDUSD	11:30:00 AM	80354						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD	1:30:00 PM	80355						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD	3:30:00 PM	80356						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD.fx	9:30:00 AM	80357						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD.fx	11:30:00 AM	80358						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD.fx	1:30:00 PM	80359						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDUSD.fx	3:30:00 PM	80360						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDZAR	9:30:00 AM	80361						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDZAR	11:30:00 AM	80362						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDZAR	1:30:00 PM	80363						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	NZDZAR	3:30:00 PM	80364						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY	9:30:00 AM	80365						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY	11:30:00 AM	80366						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY	1:30:00 PM	80367						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY	3:30:00 PM	80368						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY.fx	9:30:00 AM	80369						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY.fx	11:30:00 AM	80370						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY.fx	1:30:00 PM	80371						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SEKJPY.fx	3:30:00 PM	80372						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SGDJPY	9:30:00 AM	80373						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SGDJPY	11:30:00 AM	80374						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SGDJPY	1:30:00 PM	80375						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SGDJPY	3:30:00 PM	80376						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SILVER	9:30:00 AM	80377						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SILVER	11:30:00 AM	80378						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SILVER	1:30:00 PM	80379						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SILVER	3:30:00 PM	80380						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SPX500.i	9:30:00 AM	80381						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SPX500.i	11:30:00 AM	80382						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SPX500.i	1:30:00 PM	80383						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	SPX500.i	3:30:00 PM	80384						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	UK100.i	9:30:00 AM	80385						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	UK100.i	11:30:00 AM	80386						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	UK100.i	1:30:00 PM	80387						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	UK100.i	3:30:00 PM	80388						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD	9:30:00 AM	80389						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD	11:30:00 AM	80390						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD	1:30:00 PM	80391						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD	3:30:00 PM	80392						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD.fx	9:30:00 AM	80393						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD.fx	11:30:00 AM	80394						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD.fx	1:30:00 PM	80395						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCAD.fx	3:30:00 PM	80396						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF	9:30:00 AM	80397						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF	11:30:00 AM	80398						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF	1:30:00 PM	80399						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF	3:30:00 PM	80400						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF.fx	9:30:00 AM	80401						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF.fx	11:30:00 AM	80402						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF.fx	1:30:00 PM	80403						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCHF.fx	3:30:00 PM	80404						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK	9:30:00 AM	80405						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK	11:30:00 AM	80406						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK	1:30:00 PM	80407						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK	3:30:00 PM	80408						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK.fx	9:30:00 AM	80409						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK.fx	11:30:00 AM	80410						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK.fx	1:30:00 PM	80411						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDCZK.fx	3:30:00 PM	80412						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK	9:30:00 AM	80413						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK	11:30:00 AM	80414						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK	1:30:00 PM	80415						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK	3:30:00 PM	80416						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK.fx	9:30:00 AM	80417						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK.fx	11:30:00 AM	80418						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK.fx	1:30:00 PM	80419						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDDKK.fx	3:30:00 PM	80420						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD	9:30:00 AM	80421						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	USDHKD	11:30:00 AM	80422						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD	1:30:00 PM	80423						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD	3:30:00 PM	80424						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD.fx	9:30:00 AM	80425						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD.fx	11:30:00 AM	80426						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD.fx	1:30:00 PM	80427						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHKD.fx	3:30:00 PM	80428						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF	9:30:00 AM	80429						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF	11:30:00 AM	80430						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF	1:30:00 PM	80431						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF	3:30:00 PM	80432						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF.fx	9:30:00 AM	80433						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF.fx	11:30:00 AM	80434						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF.fx	1:30:00 PM	80435						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDHUF.fx	3:30:00 PM	80436						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDINR	9:30:00 AM	80437						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDINR	11:30:00 AM	80438						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDINR	1:30:00 PM	80439						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDINR	3:30:00 PM	80440						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY	9:30:00 AM	80441						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY	11:30:00 AM	80442						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY	1:30:00 PM	80443						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY	3:30:00 PM	80444						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY.fx	9:30:00 AM	80445						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY.fx	11:30:00 AM	80446						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY.fx	1:30:00 PM	80447						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDJPY.fx	3:30:00 PM	80448						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDMXN	9:30:00 AM	80449						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDMXN	11:30:00 AM	80450						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDMXN	1:30:00 PM	80451						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDMXN	3:30:00 PM	80452						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JSDMXN.fx	9:30:00 AM	80453						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JSDMXN.fx	11:30:00 AM	80454						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	JSDMXN.fx	1:30:00 PM	80455						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	USDMXN.fx	3:30:00 PM	80456						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK	9:30:00 AM	80457						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK	11:30:00 AM	80458						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK	1:30:00 PM	80459						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK	3:30:00 PM	80460						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK.fx	9:30:00 AM	80461						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK.fx	11:30:00 AM	80462						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK.fx	1:30:00 PM	80463						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDNOK.fx	3:30:00 PM	80464						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN	9:30:00 AM	80465						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN	11:30:00 AM	80466						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN	1:30:00 PM	80467						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN	3:30:00 PM	80468						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN.fx	9:30:00 AM	80469						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN.fx	11:30:00 AM	80470						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN.fx	1:30:00 PM	80471						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDPLN.fx	3:30:00 PM	80472						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	USDRUB	11:30:00 AM	80474						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDRUB	1:30:00 PM	80475						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDRUB	3:30:00 PM	80476						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK	9:30:00 AM	80477						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK	11:30:00 AM	80478						Continuous Quote	N/A	ELECTRONIC	N/A
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12/7/2019	USDSEK	3:30:00 PM	80480						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK.fx	9:30:00 AM	80481						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK.fx	11:30:00 AM	80482						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK.fx	1:30:00 PM	80483						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSEK.fx	3:30:00 PM	80484						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD	9:30:00 AM	80485						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD	11:30:00 AM	80486						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD	1:30:00 PM	80487						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD	3:30:00 PM	80488						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD.fx	9:30:00 AM	80489						Continuous Quote	N/A	ELECTRONIC	N/A

12/7/2019	USDSGD.fx	11:30:00 AM	80490						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD.fx	1:30:00 PM	80491						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDSGD.fx	3:30:00 PM	80492						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR	9:30:00 AM	80493						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR	11:30:00 AM	80494						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR	1:30:00 PM	80495						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR	3:30:00 PM	80496						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR.fx	9:30:00 AM	80497						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR.fx	11:30:00 AM	80498						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR.fx	1:30:00 PM	80499						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	USDZAR.fx	3:30:00 PM	80500						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	XAUUSD	9:30:00 AM	80501						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	XAUUSD	11:30:00 AM	80502						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	XAUUSD	1:30:00 PM	80503						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	XAUUSD	3:30:00 PM	80504						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY	9:30:00 AM	80505						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY	11:30:00 AM	80506						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY	1:30:00 PM	80507						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY	3:30:00 PM	80508						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY.fx	9:30:00 AM	80509						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY.fx	11:30:00 AM	80510						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY.fx	1:30:00 PM	80511						Continuous Quote	N/A	ELECTRONIC	N/A
12/7/2019	ZARJPY.fx	3:30:00 PM	80512						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#AABA	3:30:00 PM	80520						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AAL	9:30:00 AM	80521						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AAL	11:30:00 AM	80522						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AAL	1:30:00 PM	80523						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	#AAL	3:30:00 PM	80524						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#ADBE	9:30:00 AM	80529						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#ADBE	3:30:00 PM	80532						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#AIG	1:30:00 PM	80535						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AIG	3:30:00 PM	80536						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AMD	9:30:00 AM	80537						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#AMD	11:30:00 AM	80538						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#AXP	3:30:00 PM	80548						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BA	9:30:00 AM	80549						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BA	1:30:00 PM	80551						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BA	3:30:00 PM	80552						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BABA	9:30:00 AM	80553						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BABA	11:30:00 AM	80554						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BABA	3:30:00 PM	80556						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BAC	11:30:00 AM	80558						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BAC	3:30:00 PM	80560						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BK	9:30:00 AM	80577						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BLT	9:30:00 AM	80581						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BLT	1:30:00 PM	80583						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BLT	3:30:00 PM	80584						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#BTA	11:30:00 AM	80590						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#BTA	1:30:00 PM	80591						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	#BTA	3:30:00 PM	80592						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#C	3:30:00 PM	80596						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#CAT	9:30:00 AM	80597						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#DD	11:30:00 AM	80622						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	#DD	3:30:00 PM	80624						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	#DIS	9:30:00 AM	80625						Continuous Quote	N/A	ELECTRONIC	N/A

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12/8/2019	AUS200.i	3:30:00 PM	81052						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	BCHUSD	11:30:00 AM	81054						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	BCHUSD	1:30:00 PM	81055						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	BCHUSD	3:30:00 PM	81056						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF	9:30:00 AM	81057						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF	11:30:00 AM	81058						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF	1:30:00 PM	81059						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF	3:30:00 PM	81060						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF.fx	9:30:00 AM	81061						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF.fx	11:30:00 AM	81062						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF.fx	1:30:00 PM	81063						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCHF.fx	3:30:00 PM	81064						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCZK	9:30:00 AM	81065						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCZK	11:30:00 AM	81066						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADCZK	1:30:00 PM	81067						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	CADCZK	3:30:00 PM	81068						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADDDK	9:30:00 AM	81069						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADDDK	11:30:00 AM	81070						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADDDK	1:30:00 PM	81071						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADDDK	3:30:00 PM	81072						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHKD	9:30:00 AM	81073						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHKD	11:30:00 AM	81074						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHKD	1:30:00 PM	81075						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHKD	3:30:00 PM	81076						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHUF	9:30:00 AM	81077						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHUF	11:30:00 AM	81078						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHUF	1:30:00 PM	81079						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADHUF	3:30:00 PM	81080						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY	9:30:00 AM	81081						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY	11:30:00 AM	81082						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY	1:30:00 PM	81083						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY	3:30:00 PM	81084						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY.fx	9:30:00 AM	81085						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY.fx	11:30:00 AM	81086						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY.fx	1:30:00 PM	81087						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADJPY.fx	3:30:00 PM	81088						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADMXN	9:30:00 AM	81089						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADMXN	11:30:00 AM	81090						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADMXN	1:30:00 PM	81091						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADMXN	3:30:00 PM	81092						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADNOK	9:30:00 AM	81093						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADNOK	11:30:00 AM	81094						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADNOK	1:30:00 PM	81095						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADNOK	3:30:00 PM	81096						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADPLN	9:30:00 AM	81097						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADPLN	11:30:00 AM	81098						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADPLN	1:30:00 PM	81099						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADPLN	3:30:00 PM	81100						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSEK	9:30:00 AM	81101						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	CADSEK	11:30:00 AM	81102						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSEK	1:30:00 PM	81103						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSEK	3:30:00 PM	81104						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSGD	9:30:00 AM	81105						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSGD	11:30:00 AM	81106						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSGD	1:30:00 PM	81107						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADSGD	3:30:00 PM	81108						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADZAR	9:30:00 AM	81109						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADZAR	11:30:00 AM	81110						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADZAR	1:30:00 PM	81111						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CADZAR	3:30:00 PM	81112						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFCZK	9:30:00 AM	81113						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFCZK	11:30:00 AM	81114						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFCZK	1:30:00 PM	81115						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFCZK	3:30:00 PM	81116						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK	9:30:00 AM	81117						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK	11:30:00 AM	81118						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK	1:30:00 PM	81119						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK	3:30:00 PM	81120						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK.fx	9:30:00 AM	81121						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK.fx	11:30:00 AM	81122						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK.fx	1:30:00 PM	81123						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFDKK.fx	3:30:00 PM	81124						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHKD	9:30:00 AM	81125						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHKD	11:30:00 AM	81126						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHKD	1:30:00 PM	81127						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHKD	3:30:00 PM	81128						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHUF	9:30:00 AM	81129						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHUF	11:30:00 AM	81130						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHUF	1:30:00 PM	81131						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFHUF	3:30:00 PM	81132						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY	9:30:00 AM	81133						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY	11:30:00 AM	81134						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY	1:30:00 PM	81135						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	CHFJPY	3:30:00 PM	81136						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY.fx	9:30:00 AM	81137						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY.fx	11:30:00 AM	81138						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY.fx	1:30:00 PM	81139						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFJPY.fx	3:30:00 PM	81140						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFMXN	9:30:00 AM	81141						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFMXN	11:30:00 AM	81142						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFMXN	1:30:00 PM	81143						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFMXN	3:30:00 PM	81144						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK	9:30:00 AM	81145						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK	11:30:00 AM	81146						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK	1:30:00 PM	81147						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK	3:30:00 PM	81148						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK.fx	9:30:00 AM	81149						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK.fx	11:30:00 AM	81150						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK.fx	1:30:00 PM	81151						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFNOK.fx	3:30:00 PM	81152						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN	9:30:00 AM	81153						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN	11:30:00 AM	81154						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN	1:30:00 PM	81155						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN	3:30:00 PM	81156						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN.fx	9:30:00 AM	81157						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN.fx	11:30:00 AM	81158						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN.fx	1:30:00 PM	81159						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFPLN.fx	3:30:00 PM	81160						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSEK	9:30:00 AM	81161						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSEK	11:30:00 AM	81162						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSEK	1:30:00 PM	81163						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSEK	3:30:00 PM	81164						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD	9:30:00 AM	81165						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD	11:30:00 AM	81166						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD	1:30:00 PM	81167						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD	3:30:00 PM	81168						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD.fx	9:30:00 AM	81169						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	CHFSGD.fx	11:30:00 AM	81170						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD.fx	1:30:00 PM	81171						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFSGD.fx	3:30:00 PM	81172						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFZAR	9:30:00 AM	81173						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFZAR	11:30:00 AM	81174						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFZAR	1:30:00 PM	81175						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CHFZAR	3:30:00 PM	81176						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CZKJPY	9:30:00 AM	81177						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CZKJPY	11:30:00 AM	81178						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CZKJPY	1:30:00 PM	81179						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	CZKJPY	3:30:00 PM	81180						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DAX30.i	9:30:00 AM	81181						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DAX30.i	11:30:00 AM	81182						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DAX30.i	1:30:00 PM	81183						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DAX30.i	3:30:00 PM	81184						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DJ30.i	9:30:00 AM	81185						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DJ30.i	11:30:00 AM	81186						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DJ30.i	1:30:00 PM	81187						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DJ30.i	3:30:00 PM	81188						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DKKJPY	9:30:00 AM	81189						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DKKJPY	11:30:00 AM	81190						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DKKJPY	1:30:00 PM	81191						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	DKKJPY	3:30:00 PM	81192						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD	9:30:00 AM	81193						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD	11:30:00 AM	81194						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD	1:30:00 PM	81195						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD	3:30:00 PM	81196						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD.fx	9:30:00 AM	81197						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD.fx	11:30:00 AM	81198						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD.fx	1:30:00 PM	81199						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURAUD.fx	3:30:00 PM	81200						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD	9:30:00 AM	81201						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD	11:30:00 AM	81202						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD	1:30:00 PM	81203						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	EURCAD	3:30:00 PM	81204						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD.fx	9:30:00 AM	81205						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD.fx	11:30:00 AM	81206						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD.fx	1:30:00 PM	81207						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCAD.fx	3:30:00 PM	81208						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF	9:30:00 AM	81209						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF	11:30:00 AM	81210						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF	1:30:00 PM	81211						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF	3:30:00 PM	81212						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF.fx	9:30:00 AM	81213						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF.fx	11:30:00 AM	81214						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF.fx	1:30:00 PM	81215						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCHF.fx	3:30:00 PM	81216						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCZK	9:30:00 AM	81217						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCZK	11:30:00 AM	81218						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCZK	1:30:00 PM	81219						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURCZK	3:30:00 PM	81220						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURDKK	9:30:00 AM	81221						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURDKK	11:30:00 AM	81222						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURDKK	1:30:00 PM	81223						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURDKK	3:30:00 PM	81224						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP	9:30:00 AM	81225						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP	11:30:00 AM	81226						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP	1:30:00 PM	81227						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP	3:30:00 PM	81228						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP.fx	9:30:00 AM	81229						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP.fx	11:30:00 AM	81230						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP.fx	1:30:00 PM	81231						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURGBP.fx	3:30:00 PM	81232						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD	9:30:00 AM	81233						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD	11:30:00 AM	81234						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD	1:30:00 PM	81235						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD	3:30:00 PM	81236						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD.fx	9:30:00 AM	81237						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	EURHKD.fx	11:30:00 AM	81238						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD.fx	1:30:00 PM	81239						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHKD.fx	3:30:00 PM	81240						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF	9:30:00 AM	81241						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF	11:30:00 AM	81242						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF	1:30:00 PM	81243						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF	3:30:00 PM	81244						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF.fx	9:30:00 AM	81245						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF.fx	11:30:00 AM	81246						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF.fx	1:30:00 PM	81247						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURHUF.fx	3:30:00 PM	81248						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY	9:30:00 AM	81249						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY	11:30:00 AM	81250						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY	1:30:00 PM	81251						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY	3:30:00 PM	81252						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY.fx	9:30:00 AM	81253						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY.fx	11:30:00 AM	81254						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY.fx	1:30:00 PM	81255						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURJPY.fx	3:30:00 PM	81256						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN	9:30:00 AM	81257						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN	11:30:00 AM	81258						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN	1:30:00 PM	81259						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN	3:30:00 PM	81260						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN.fx	9:30:00 AM	81261						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN.fx	11:30:00 AM	81262						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN.fx	1:30:00 PM	81263						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURMXN.fx	3:30:00 PM	81264						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK	9:30:00 AM	81265						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK	11:30:00 AM	81266						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK	1:30:00 PM	81267						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK	3:30:00 PM	81268						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK.fx	9:30:00 AM	81269						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK.fx	11:30:00 AM	81270						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNOK.fx	1:30:00 PM	81271						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	EURNOK.fx	3:30:00 PM	81272						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD	9:30:00 AM	81273						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD	11:30:00 AM	81274						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD	1:30:00 PM	81275						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD	3:30:00 PM	81276						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD.fx	9:30:00 AM	81277						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD.fx	11:30:00 AM	81278						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD.fx	1:30:00 PM	81279						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURNZD.fx	3:30:00 PM	81280						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN	9:30:00 AM	81281						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN	11:30:00 AM	81282						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN	1:30:00 PM	81283						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN	3:30:00 PM	81284						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN.fx	9:30:00 AM	81285						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN.fx	11:30:00 AM	81286						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN.fx	1:30:00 PM	81287						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURPLN.fx	3:30:00 PM	81288						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURRUB	9:30:00 AM	81289						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURRUB	11:30:00 AM	81290						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURRUB	1:30:00 PM	81291						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURRUB	3:30:00 PM	81292						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK	9:30:00 AM	81293						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK	11:30:00 AM	81294						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK	1:30:00 PM	81295						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK	3:30:00 PM	81296						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK.fx	9:30:00 AM	81297						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK.fx	11:30:00 AM	81298						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK.fx	1:30:00 PM	81299						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSEK.fx	3:30:00 PM	81300						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD	9:30:00 AM	81301						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD	11:30:00 AM	81302						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD	1:30:00 PM	81303						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD	3:30:00 PM	81304						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD.fx	9:30:00 AM	81305						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	EURSGD.fx	11:30:00 AM	81306						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD.fx	1:30:00 PM	81307						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURSGD.fx	3:30:00 PM	81308						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD	9:30:00 AM	81309						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD	11:30:00 AM	81310						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD	1:30:00 PM	81311						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD	3:30:00 PM	81312						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD.fx	9:30:00 AM	81313						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD.fx	11:30:00 AM	81314						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD.fx	1:30:00 PM	81315						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURUSD.fx	3:30:00 PM	81316						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR	9:30:00 AM	81317						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR	11:30:00 AM	81318						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR	1:30:00 PM	81319						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR	3:30:00 PM	81320						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR.fx	9:30:00 AM	81321						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR.fx	11:30:00 AM	81322						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR.fx	1:30:00 PM	81323						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	EURZAR.fx	3:30:00 PM	81324						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD	9:30:00 AM	81325						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD	11:30:00 AM	81326						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD	1:30:00 PM	81327						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD	3:30:00 PM	81328						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD.fx	9:30:00 AM	81329						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD.fx	11:30:00 AM	81330						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD.fx	1:30:00 PM	81331						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPAUD.fx	3:30:00 PM	81332						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD	9:30:00 AM	81333						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD	11:30:00 AM	81334						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD	1:30:00 PM	81335						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD	3:30:00 PM	81336						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD.fx	9:30:00 AM	81337						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD.fx	11:30:00 AM	81338						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCAD.fx	1:30:00 PM	81339						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	GBPCAD.fx	3:30:00 PM	81340						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF	9:30:00 AM	81341						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF	11:30:00 AM	81342						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF	1:30:00 PM	81343						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF	3:30:00 PM	81344						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF.fx	9:30:00 AM	81345						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF.fx	11:30:00 AM	81346						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF.fx	1:30:00 PM	81347						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCHF.fx	3:30:00 PM	81348						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCZK	9:30:00 AM	81349						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCZK	11:30:00 AM	81350						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCZK	1:30:00 PM	81351						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPCZK	3:30:00 PM	81352						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK	9:30:00 AM	81353						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK	11:30:00 AM	81354						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK	1:30:00 PM	81355						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK	3:30:00 PM	81356						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK.fx	9:30:00 AM	81357						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK.fx	11:30:00 AM	81358						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK.fx	1:30:00 PM	81359						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPDKK.fx	3:30:00 PM	81360						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHKD	9:30:00 AM	81361						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHKD	11:30:00 AM	81362						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHKD	1:30:00 PM	81363						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHKD	3:30:00 PM	81364						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHUF	9:30:00 AM	81365						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHUF	11:30:00 AM	81366						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHUF	1:30:00 PM	81367						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPHUF	3:30:00 PM	81368						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY	9:30:00 AM	81369						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY	11:30:00 AM	81370						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY	1:30:00 PM	81371						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY	3:30:00 PM	81372						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY.fx	9:30:00 AM	81373						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	GBPJPY.fx	11:30:00 AM	81374						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY.fx	1:30:00 PM	81375						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPJPY.fx	3:30:00 PM	81376						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPMXN	9:30:00 AM	81377						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPMXN	11:30:00 AM	81378						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPMXN	1:30:00 PM	81379						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPMXN	3:30:00 PM	81380						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK	9:30:00 AM	81381						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK	11:30:00 AM	81382						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK	1:30:00 PM	81383						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK	3:30:00 PM	81384						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK.fx	9:30:00 AM	81385						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK.fx	11:30:00 AM	81386						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK.fx	1:30:00 PM	81387						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNOK.fx	3:30:00 PM	81388						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNZD	9:30:00 AM	81389						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNZD	11:30:00 AM	81390						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPNZD	1:30:00 PM	81391						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	GBPNZD.fx	11:30:00 AM	81394						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	GBPPLN	9:30:00 AM	81397						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPPLN	11:30:00 AM	81398						Continuous Quote	N/A	ELECTRONIC	N/A
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12/8/2019	GBPPLN.fx	11:30:00 AM	81402						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPPLN.fx	1:30:00 PM	81403						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPPLN.fx	3:30:00 PM	81404						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK	9:30:00 AM	81405						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK	11:30:00 AM	81406						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK	1:30:00 PM	81407						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	GBPSEK	3:30:00 PM	81408						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK.fx	9:30:00 AM	81409						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK.fx	11:30:00 AM	81410						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK.fx	1:30:00 PM	81411						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSEK.fx	3:30:00 PM	81412						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD	9:30:00 AM	81413						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD	11:30:00 AM	81414						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD	1:30:00 PM	81415						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD	3:30:00 PM	81416						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD.fx	9:30:00 AM	81417						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD.fx	11:30:00 AM	81418						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD.fx	1:30:00 PM	81419						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPSGD.fx	3:30:00 PM	81420						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD	9:30:00 AM	81421						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD	11:30:00 AM	81422						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD	1:30:00 PM	81423						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD	3:30:00 PM	81424						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD.fx	9:30:00 AM	81425						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD.fx	11:30:00 AM	81426						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD.fx	1:30:00 PM	81427						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPUSD.fx	3:30:00 PM	81428						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR	9:30:00 AM	81429						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR	11:30:00 AM	81430						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR	1:30:00 PM	81431						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR	3:30:00 PM	81432						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR.fx	9:30:00 AM	81433						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR.fx	11:30:00 AM	81434						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR.fx	1:30:00 PM	81435						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GBPZAR.fx	3:30:00 PM	81436						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GOLD	9:30:00 AM	81437						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GOLD	11:30:00 AM	81438						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GOLD	1:30:00 PM	81439						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	GOLD	3:30:00 PM	81440						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY	9:30:00 AM	81441						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	HKDJPY	11:30:00 AM	81442						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY	1:30:00 PM	81443						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY	3:30:00 PM	81444						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY.fx	9:30:00 AM	81445						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY.fx	11:30:00 AM	81446						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY.fx	1:30:00 PM	81447						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HKDJPY.fx	3:30:00 PM	81448						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HUFJPY	9:30:00 AM	81449						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HUFJPY	11:30:00 AM	81450						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HUFJPY	1:30:00 PM	81451						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	HUFJPY	3:30:00 PM	81452						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	JP225.i	9:30:00 AM	81453						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	JP225.i	11:30:00 AM	81454						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	JP225.i	1:30:00 PM	81455						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	JP225.i	3:30:00 PM	81456						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	MXNJPY	9:30:00 AM	81457						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	MXNJPY	11:30:00 AM	81458						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	MXNJPY	1:30:00 PM	81459						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	MXNJPY	3:30:00 PM	81460						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NASDAQ.i	9:30:00 AM	81461						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NASDAQ.i	11:30:00 AM	81462						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NASDAQ.i	1:30:00 PM	81463						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NASDAQ.i	3:30:00 PM	81464						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY	9:30:00 AM	81465						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY	11:30:00 AM	81466						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY	1:30:00 PM	81467						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY	3:30:00 PM	81468						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY.fx	9:30:00 AM	81469						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY.fx	11:30:00 AM	81470						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY.fx	1:30:00 PM	81471						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NOKJPY.fx	3:30:00 PM	81472						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD	9:30:00 AM	81473						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD	11:30:00 AM	81474						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD	1:30:00 PM	81475						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	NZDCAD	3:30:00 PM	81476						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD.fx	9:30:00 AM	81477						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD.fx	11:30:00 AM	81478						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD.fx	1:30:00 PM	81479						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCAD.fx	3:30:00 PM	81480						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF	9:30:00 AM	81481						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF	11:30:00 AM	81482						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF	1:30:00 PM	81483						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF	3:30:00 PM	81484						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF.fx	9:30:00 AM	81485						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF.fx	11:30:00 AM	81486						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF.fx	1:30:00 PM	81487						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCHF.fx	3:30:00 PM	81488						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCZK	9:30:00 AM	81489						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCZK	11:30:00 AM	81490						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCZK	1:30:00 PM	81491						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDCZK	3:30:00 PM	81492						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDDKK	9:30:00 AM	81493						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDDKK	11:30:00 AM	81494						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDDKK	1:30:00 PM	81495						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDDKK	3:30:00 PM	81496						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHKD	9:30:00 AM	81497						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHKD	11:30:00 AM	81498						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHKD	1:30:00 PM	81499						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHKD	3:30:00 PM	81500						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHUF	9:30:00 AM	81501						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHUF	11:30:00 AM	81502						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHUF	1:30:00 PM	81503						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDHUF	3:30:00 PM	81504						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY	9:30:00 AM	81505						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY	11:30:00 AM	81506						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY	1:30:00 PM	81507						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY	3:30:00 PM	81508						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY.fx	9:30:00 AM	81509						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	NZDJPY.fx	11:30:00 AM	81510						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY.fx	1:30:00 PM	81511						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDJPY.fx	3:30:00 PM	81512						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDMXN	9:30:00 AM	81513						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDMXN	11:30:00 AM	81514						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDMXN	1:30:00 PM	81515						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDMXN	3:30:00 PM	81516						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDNOK	9:30:00 AM	81517						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDNOK	11:30:00 AM	81518						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDNOK	1:30:00 PM	81519						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDNOK	3:30:00 PM	81520						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDPLN	9:30:00 AM	81521						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDPLN	11:30:00 AM	81522						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDPLN	1:30:00 PM	81523						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDPLN	3:30:00 PM	81524						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSEK	9:30:00 AM	81525						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSEK	11:30:00 AM	81526						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSEK	1:30:00 PM	81527						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSEK	3:30:00 PM	81528						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD	9:30:00 AM	81529						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD	11:30:00 AM	81530						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD	1:30:00 PM	81531						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD	3:30:00 PM	81532						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD.fx	9:30:00 AM	81533						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD.fx	11:30:00 AM	81534						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD.fx	1:30:00 PM	81535						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDSGD.fx	3:30:00 PM	81536						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD	9:30:00 AM	81537						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD	11:30:00 AM	81538						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD	1:30:00 PM	81539						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD	3:30:00 PM	81540						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD.fx	9:30:00 AM	81541						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD.fx	11:30:00 AM	81542						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDUSD.fx	1:30:00 PM	81543						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	NZDUSD.fx	3:30:00 PM	81544						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDZAR	9:30:00 AM	81545						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDZAR	11:30:00 AM	81546						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDZAR	1:30:00 PM	81547						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	NZDZAR	3:30:00 PM	81548						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY	9:30:00 AM	81549						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY	11:30:00 AM	81550						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY	1:30:00 PM	81551						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY	3:30:00 PM	81552						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY.fx	9:30:00 AM	81553						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY.fx	11:30:00 AM	81554						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY.fx	1:30:00 PM	81555						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SEKJPY.fx	3:30:00 PM	81556						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SGDJPY	9:30:00 AM	81557						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SGDJPY	11:30:00 AM	81558						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SGDJPY	1:30:00 PM	81559						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SGDJPY	3:30:00 PM	81560						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SILVER	9:30:00 AM	81561						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SILVER	11:30:00 AM	81562						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SILVER	1:30:00 PM	81563						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SILVER	3:30:00 PM	81564						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SPX500.i	9:30:00 AM	81565						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SPX500.i	11:30:00 AM	81566						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SPX500.i	1:30:00 PM	81567						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	SPX500.i	3:30:00 PM	81568						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	UK100.i	9:30:00 AM	81569						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	UK100.i	11:30:00 AM	81570						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	UK100.i	1:30:00 PM	81571						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	UK100.i	3:30:00 PM	81572						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD	9:30:00 AM	81573						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD	11:30:00 AM	81574						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD	1:30:00 PM	81575						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD	3:30:00 PM	81576						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD.fx	9:30:00 AM	81577						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	USDCAD.fx	11:30:00 AM	81578						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD.fx	1:30:00 PM	81579						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCAD.fx	3:30:00 PM	81580						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF	9:30:00 AM	81581						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF	11:30:00 AM	81582						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF	1:30:00 PM	81583						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF	3:30:00 PM	81584						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF.fx	9:30:00 AM	81585						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF.fx	11:30:00 AM	81586						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF.fx	1:30:00 PM	81587						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCHF.fx	3:30:00 PM	81588						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK	9:30:00 AM	81589						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK	11:30:00 AM	81590						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK	1:30:00 PM	81591						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK	3:30:00 PM	81592						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK.fx	9:30:00 AM	81593						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK.fx	11:30:00 AM	81594						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK.fx	1:30:00 PM	81595						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDCZK.fx	3:30:00 PM	81596						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK	9:30:00 AM	81597						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK	11:30:00 AM	81598						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK	1:30:00 PM	81599						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK	3:30:00 PM	81600						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK.fx	9:30:00 AM	81601						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK.fx	11:30:00 AM	81602						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK.fx	1:30:00 PM	81603						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDDKK.fx	3:30:00 PM	81604						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD	9:30:00 AM	81605						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD	11:30:00 AM	81606						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD	1:30:00 PM	81607						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD	3:30:00 PM	81608						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD.fx	9:30:00 AM	81609						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD.fx	11:30:00 AM	81610						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHKD.fx	1:30:00 PM	81611						Continuous Quote	N/A	ELECTRONIC	N/A

12/8/2019	USDHKD.fx	3:30:00 PM	81612						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF	9:30:00 AM	81613						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF	11:30:00 AM	81614						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF	1:30:00 PM	81615						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF	3:30:00 PM	81616						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF.fx	9:30:00 AM	81617						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF.fx	11:30:00 AM	81618						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF.fx	1:30:00 PM	81619						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDHUF.fx	3:30:00 PM	81620						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDINR	9:30:00 AM	81621						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDINR	11:30:00 AM	81622						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDINR	1:30:00 PM	81623						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDINR	3:30:00 PM	81624						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY	9:30:00 AM	81625						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY	11:30:00 AM	81626						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY	1:30:00 PM	81627						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY	3:30:00 PM	81628						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY.fx	9:30:00 AM	81629						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY.fx	11:30:00 AM	81630						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY.fx	1:30:00 PM	81631						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDJPY.fx	3:30:00 PM	81632						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDMXN	9:30:00 AM	81633						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDMXN	11:30:00 AM	81634						Continuous Quote	N/A	ELECTRONIC	N/A
12/8/2019	USDMXN	1:30:00 PM	81635						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	BCHUSD	9:30:00 AM	82237						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	BCHUSD	11:30:00 AM	82238						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	BCHUSD	1:30:00 PM	82239						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	BCHUSD	3:30:00 PM	82240						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF	9:30:00 AM	82241						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF	11:30:00 AM	82242						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF	1:30:00 PM	82243						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF	3:30:00 PM	82244						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF.fx	9:30:00 AM	82245						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF.fx	11:30:00 AM	82246						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF.fx	1:30:00 PM	82247						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCHF.fx	3:30:00 PM	82248						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCZK	9:30:00 AM	82249						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCZK	11:30:00 AM	82250						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCZK	1:30:00 PM	82251						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADCZK	3:30:00 PM	82252						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADDKK	9:30:00 AM	82253						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADDKK	11:30:00 AM	82254						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADDKK	1:30:00 PM	82255						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADDKK	3:30:00 PM	82256						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHKD	9:30:00 AM	82257						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	CADHKD	11:30:00 AM	82258						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHKD	1:30:00 PM	82259						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHKD	3:30:00 PM	82260						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHUF	9:30:00 AM	82261						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHUF	11:30:00 AM	82262						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHUF	1:30:00 PM	82263						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADHUF	3:30:00 PM	82264						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY	9:30:00 AM	82265						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY	11:30:00 AM	82266						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY	1:30:00 PM	82267						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY	3:30:00 PM	82268						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY.fx	9:30:00 AM	82269						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY.fx	11:30:00 AM	82270						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY.fx	1:30:00 PM	82271						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADJPY.fx	3:30:00 PM	82272						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADMXN	9:30:00 AM	82273						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADMXN	11:30:00 AM	82274						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADMXN	1:30:00 PM	82275						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADMXN	3:30:00 PM	82276						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADNOK	9:30:00 AM	82277						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADNOK	11:30:00 AM	82278						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADNOK	1:30:00 PM	82279						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADNOK	3:30:00 PM	82280						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADPLN	9:30:00 AM	82281						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADPLN	11:30:00 AM	82282						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADPLN	1:30:00 PM	82283						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADPLN	3:30:00 PM	82284						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSEK	9:30:00 AM	82285						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSEK	11:30:00 AM	82286						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSEK	1:30:00 PM	82287						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSEK	3:30:00 PM	82288						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSGD	9:30:00 AM	82289						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSGD	11:30:00 AM	82290						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADSGD	1:30:00 PM	82291						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	CADSGD	3:30:00 PM	82292						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADZAR	9:30:00 AM	82293						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADZAR	11:30:00 AM	82294						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADZAR	1:30:00 PM	82295						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CADZAR	3:30:00 PM	82296						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFCZK	9:30:00 AM	82297						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFCZK	11:30:00 AM	82298						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFCZK	1:30:00 PM	82299						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFCZK	3:30:00 PM	82300						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK	9:30:00 AM	82301						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK	11:30:00 AM	82302						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK	1:30:00 PM	82303						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK	3:30:00 PM	82304						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK.fx	9:30:00 AM	82305						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK.fx	11:30:00 AM	82306						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK.fx	1:30:00 PM	82307						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFDKK.fx	3:30:00 PM	82308						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHKD	9:30:00 AM	82309						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHKD	11:30:00 AM	82310						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHKD	1:30:00 PM	82311						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHKD	3:30:00 PM	82312						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHUF	9:30:00 AM	82313						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHUF	11:30:00 AM	82314						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHUF	1:30:00 PM	82315						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFHUF	3:30:00 PM	82316						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY	9:30:00 AM	82317						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY	11:30:00 AM	82318						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY	1:30:00 PM	82319						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY	3:30:00 PM	82320						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY.fx	9:30:00 AM	82321						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY.fx	11:30:00 AM	82322						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY.fx	1:30:00 PM	82323						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFJPY.fx	3:30:00 PM	82324						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFMXN	9:30:00 AM	82325						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	CHFMXN	11:30:00 AM	82326						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFMXN	1:30:00 PM	82327						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFMXN	3:30:00 PM	82328						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK	9:30:00 AM	82329						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK	11:30:00 AM	82330						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK	1:30:00 PM	82331						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK	3:30:00 PM	82332						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK.fx	9:30:00 AM	82333						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK.fx	11:30:00 AM	82334						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK.fx	1:30:00 PM	82335						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFNOK.fx	3:30:00 PM	82336						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN	9:30:00 AM	82337						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN	11:30:00 AM	82338						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN	1:30:00 PM	82339						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN	3:30:00 PM	82340						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN.fx	9:30:00 AM	82341						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN.fx	11:30:00 AM	82342						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN.fx	1:30:00 PM	82343						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFPLN.fx	3:30:00 PM	82344						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSEK	9:30:00 AM	82345						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSEK	11:30:00 AM	82346						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSEK	1:30:00 PM	82347						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSEK	3:30:00 PM	82348						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD	9:30:00 AM	82349						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD	11:30:00 AM	82350						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD	1:30:00 PM	82351						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD	3:30:00 PM	82352						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD.fx	9:30:00 AM	82353						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD.fx	11:30:00 AM	82354						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD.fx	1:30:00 PM	82355						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFSGD.fx	3:30:00 PM	82356						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFZAR	9:30:00 AM	82357						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFZAR	11:30:00 AM	82358						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CHFZAR	1:30:00 PM	82359						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	CHFZAR	3:30:00 PM	82360						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CZKJPY	9:30:00 AM	82361						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CZKJPY	11:30:00 AM	82362						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CZKJPY	1:30:00 PM	82363						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	CZKJPY	3:30:00 PM	82364						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DAX30.i	9:30:00 AM	82365						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DAX30.i	11:30:00 AM	82366						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DAX30.i	1:30:00 PM	82367						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DAX30.i	3:30:00 PM	82368						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DJ30.i	9:30:00 AM	82369						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DJ30.i	11:30:00 AM	82370						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DJ30.i	1:30:00 PM	82371						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DJ30.i	3:30:00 PM	82372						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DKKJPY	9:30:00 AM	82373						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DKKJPY	11:30:00 AM	82374						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DKKJPY	1:30:00 PM	82375						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	DKKJPY	3:30:00 PM	82376						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD	9:30:00 AM	82377						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD	11:30:00 AM	82378						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD	1:30:00 PM	82379						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD	3:30:00 PM	82380						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD.fx	9:30:00 AM	82381						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD.fx	11:30:00 AM	82382						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD.fx	1:30:00 PM	82383						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURAUD.fx	3:30:00 PM	82384						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD	9:30:00 AM	82385						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD	11:30:00 AM	82386						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD	1:30:00 PM	82387						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD	3:30:00 PM	82388						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD.fx	9:30:00 AM	82389						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD.fx	11:30:00 AM	82390						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD.fx	1:30:00 PM	82391						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCAD.fx	3:30:00 PM	82392						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF	9:30:00 AM	82393						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	EURCHF	11:30:00 AM	82394						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF	1:30:00 PM	82395						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF	3:30:00 PM	82396						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF.fx	9:30:00 AM	82397						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF.fx	11:30:00 AM	82398						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF.fx	1:30:00 PM	82399						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCHF.fx	3:30:00 PM	82400						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCZK	9:30:00 AM	82401						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCZK	11:30:00 AM	82402						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCZK	1:30:00 PM	82403						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURCZK	3:30:00 PM	82404						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURDKK	9:30:00 AM	82405						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURDKK	11:30:00 AM	82406						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURDKK	1:30:00 PM	82407						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURDKK	3:30:00 PM	82408						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP	9:30:00 AM	82409						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP	11:30:00 AM	82410						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP	1:30:00 PM	82411						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP	3:30:00 PM	82412						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP.fx	9:30:00 AM	82413						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP.fx	11:30:00 AM	82414						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP.fx	1:30:00 PM	82415						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURGBP.fx	3:30:00 PM	82416						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD	9:30:00 AM	82417						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD	11:30:00 AM	82418						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD	1:30:00 PM	82419						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD	3:30:00 PM	82420						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD.fx	9:30:00 AM	82421						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD.fx	11:30:00 AM	82422						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD.fx	1:30:00 PM	82423						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHKD.fx	3:30:00 PM	82424						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF	9:30:00 AM	82425						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF	11:30:00 AM	82426						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF	1:30:00 PM	82427						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	EURHUF	3:30:00 PM	82428						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF.fx	9:30:00 AM	82429						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF.fx	11:30:00 AM	82430						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF.fx	1:30:00 PM	82431						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURHUF.fx	3:30:00 PM	82432						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY	9:30:00 AM	82433						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY	11:30:00 AM	82434						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY	1:30:00 PM	82435						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY	3:30:00 PM	82436						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY.fx	9:30:00 AM	82437						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY.fx	11:30:00 AM	82438						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY.fx	1:30:00 PM	82439						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURJPY.fx	3:30:00 PM	82440						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN	9:30:00 AM	82441						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN	11:30:00 AM	82442						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN	1:30:00 PM	82443						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN	3:30:00 PM	82444						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN.fx	9:30:00 AM	82445						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN.fx	11:30:00 AM	82446						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN.fx	1:30:00 PM	82447						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURMXN.fx	3:30:00 PM	82448						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK	9:30:00 AM	82449						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK	11:30:00 AM	82450						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK	1:30:00 PM	82451						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK	3:30:00 PM	82452						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK.fx	9:30:00 AM	82453						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK.fx	11:30:00 AM	82454						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK.fx	1:30:00 PM	82455						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNOK.fx	3:30:00 PM	82456						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD	9:30:00 AM	82457						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD	11:30:00 AM	82458						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD	1:30:00 PM	82459						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD	3:30:00 PM	82460						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD.fx	9:30:00 AM	82461						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	EURNZD.fx	11:30:00 AM	82462						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD.fx	1:30:00 PM	82463						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURNZD.fx	3:30:00 PM	82464						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN	9:30:00 AM	82465						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN	11:30:00 AM	82466						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN	1:30:00 PM	82467						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN	3:30:00 PM	82468						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN.fx	9:30:00 AM	82469						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN.fx	11:30:00 AM	82470						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN.fx	1:30:00 PM	82471						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURPLN.fx	3:30:00 PM	82472						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURRUB	9:30:00 AM	82473						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURRUB	11:30:00 AM	82474						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURRUB	1:30:00 PM	82475						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURRUB	3:30:00 PM	82476						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK	9:30:00 AM	82477						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK	11:30:00 AM	82478						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK	1:30:00 PM	82479						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK	3:30:00 PM	82480						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK.fx	9:30:00 AM	82481						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK.fx	11:30:00 AM	82482						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK.fx	1:30:00 PM	82483						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSEK.fx	3:30:00 PM	82484						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD	9:30:00 AM	82485						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD	11:30:00 AM	82486						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD	1:30:00 PM	82487						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD	3:30:00 PM	82488						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD.fx	9:30:00 AM	82489						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD.fx	11:30:00 AM	82490						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD.fx	1:30:00 PM	82491						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURSGD.fx	3:30:00 PM	82492						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURUSD	9:30:00 AM	82493						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURUSD	11:30:00 AM	82494						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURUSD	1:30:00 PM	82495						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	EURUSD	3:30:00 PM	82496						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	EURUSD.fx	3:30:00 PM	82500						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR	9:30:00 AM	82501						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR	11:30:00 AM	82502						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR	1:30:00 PM	82503						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR	3:30:00 PM	82504						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	EURZAR.fx	11:30:00 AM	82506						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR.fx	1:30:00 PM	82507						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	EURZAR.fx	3:30:00 PM	82508						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD	9:30:00 AM	82509						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD	11:30:00 AM	82510						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD	1:30:00 PM	82511						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD	3:30:00 PM	82512						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD.fx	9:30:00 AM	82513						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD.fx	11:30:00 AM	82514						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD.fx	1:30:00 PM	82515						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPAUD.fx	3:30:00 PM	82516						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD	9:30:00 AM	82517						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD	11:30:00 AM	82518						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD	1:30:00 PM	82519						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD	3:30:00 PM	82520						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD.fx	9:30:00 AM	82521						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD.fx	11:30:00 AM	82522						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD.fx	1:30:00 PM	82523						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCAD.fx	3:30:00 PM	82524						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF	9:30:00 AM	82525						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF	11:30:00 AM	82526						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF	1:30:00 PM	82527						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF	3:30:00 PM	82528						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF.fx	9:30:00 AM	82529						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	GBPCHF.fx	11:30:00 AM	82530						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF.fx	1:30:00 PM	82531						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCHF.fx	3:30:00 PM	82532						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCZK	9:30:00 AM	82533						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCZK	11:30:00 AM	82534						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCZK	1:30:00 PM	82535						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPCZK	3:30:00 PM	82536						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK	9:30:00 AM	82537						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK	11:30:00 AM	82538						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK	1:30:00 PM	82539						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK	3:30:00 PM	82540						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK.fx	9:30:00 AM	82541						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK.fx	11:30:00 AM	82542						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK.fx	1:30:00 PM	82543						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPDKK.fx	3:30:00 PM	82544						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHKD	9:30:00 AM	82545						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHKD	11:30:00 AM	82546						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHKD	1:30:00 PM	82547						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHKD	3:30:00 PM	82548						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHUF	9:30:00 AM	82549						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHUF	11:30:00 AM	82550						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPHUF	1:30:00 PM	82551						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPJPY	9:30:00 AM	82553						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY	11:30:00 AM	82554						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY	1:30:00 PM	82555						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY	3:30:00 PM	82556						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY.fx	9:30:00 AM	82557						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY.fx	11:30:00 AM	82558						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY.fx	1:30:00 PM	82559						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPJPY.fx	3:30:00 PM	82560						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPMXN	9:30:00 AM	82561						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPMXN	11:30:00 AM	82562						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPMXN	1:30:00 PM	82563						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	GBPMXN	3:30:00 PM	82564						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK	9:30:00 AM	82565						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK	11:30:00 AM	82566						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK	1:30:00 PM	82567						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK	3:30:00 PM	82568						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK.fx	9:30:00 AM	82569						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK.fx	11:30:00 AM	82570						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK.fx	1:30:00 PM	82571						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNOK.fx	3:30:00 PM	82572						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD	9:30:00 AM	82573						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD	11:30:00 AM	82574						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD	1:30:00 PM	82575						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD	3:30:00 PM	82576						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD.fx	9:30:00 AM	82577						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD.fx	11:30:00 AM	82578						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD.fx	1:30:00 PM	82579						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPNZD.fx	3:30:00 PM	82580						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN	9:30:00 AM	82581						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN	11:30:00 AM	82582						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN	1:30:00 PM	82583						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN	3:30:00 PM	82584						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPPLN.fx	11:30:00 AM	82586						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN.fx	1:30:00 PM	82587						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPPLN.fx	3:30:00 PM	82588						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK	9:30:00 AM	82589						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK	11:30:00 AM	82590						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK	1:30:00 PM	82591						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK	3:30:00 PM	82592						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK.fx	9:30:00 AM	82593						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK.fx	11:30:00 AM	82594						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK.fx	1:30:00 PM	82595						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSEK.fx	3:30:00 PM	82596						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD	9:30:00 AM	82597						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	GBPSGD	11:30:00 AM	82598						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD	1:30:00 PM	82599						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD	3:30:00 PM	82600						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD.fx	9:30:00 AM	82601						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD.fx	11:30:00 AM	82602						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD.fx	1:30:00 PM	82603						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPSGD.fx	3:30:00 PM	82604						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPUSD	9:30:00 AM	82605						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GBPUSD	11:30:00 AM	82606						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPUSD	3:30:00 PM	82608						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPZAR	9:30:00 AM	82613						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPZAR.fx	11:30:00 AM	82618						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	GBPZAR.fx	3:30:00 PM	82620						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GOLD	9:30:00 AM	82621						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GOLD	11:30:00 AM	82622						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GOLD	1:30:00 PM	82623						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	GOLD	3:30:00 PM	82624						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY	9:30:00 AM	82625						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY	11:30:00 AM	82626						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY	1:30:00 PM	82627						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY	3:30:00 PM	82628						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY.fx	9:30:00 AM	82629						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY.fx	11:30:00 AM	82630						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HKDJPY.fx	1:30:00 PM	82631						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	HKDJPY.fx	3:30:00 PM	82632						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HUFJPY	9:30:00 AM	82633						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HUFJPY	11:30:00 AM	82634						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HUFJPY	1:30:00 PM	82635						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	HUFJPY	3:30:00 PM	82636						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JP225.i	9:30:00 AM	82637						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JP225.i	11:30:00 AM	82638						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JP225.i	1:30:00 PM	82639						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JP225.i	3:30:00 PM	82640						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	MXNJPY	9:30:00 AM	82641						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	MXNJPY	11:30:00 AM	82642						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	MXNJPY	1:30:00 PM	82643						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	MXNJPY	3:30:00 PM	82644						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NASDAQ.i	9:30:00 AM	82645						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NASDAQ.i	11:30:00 AM	82646						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NASDAQ.i	1:30:00 PM	82647						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NASDAQ.i	3:30:00 PM	82648						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY	9:30:00 AM	82649						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY	11:30:00 AM	82650						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY	1:30:00 PM	82651						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY	3:30:00 PM	82652						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY.fx	9:30:00 AM	82653						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY.fx	11:30:00 AM	82654						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY.fx	1:30:00 PM	82655						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NOKJPY.fx	3:30:00 PM	82656						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD	9:30:00 AM	82657						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD	11:30:00 AM	82658						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD	1:30:00 PM	82659						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD	3:30:00 PM	82660						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD.fx	9:30:00 AM	82661						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD.fx	11:30:00 AM	82662						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD.fx	1:30:00 PM	82663						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCAD.fx	3:30:00 PM	82664						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF	9:30:00 AM	82665						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	NZDCHF	11:30:00 AM	82666						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF	1:30:00 PM	82667						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF	3:30:00 PM	82668						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF.fx	9:30:00 AM	82669						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF.fx	11:30:00 AM	82670						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF.fx	1:30:00 PM	82671						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCHF.fx	3:30:00 PM	82672						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCZK	9:30:00 AM	82673						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCZK	11:30:00 AM	82674						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCZK	1:30:00 PM	82675						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDCZK	3:30:00 PM	82676						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDDKK	9:30:00 AM	82677						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDDKK	11:30:00 AM	82678						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDDKK	1:30:00 PM	82679						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDDKK	3:30:00 PM	82680						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHKD	9:30:00 AM	82681						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHKD	11:30:00 AM	82682						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHKD	1:30:00 PM	82683						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHKD	3:30:00 PM	82684						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHUF	9:30:00 AM	82685						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHUF	11:30:00 AM	82686						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHUF	1:30:00 PM	82687						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDHUF	3:30:00 PM	82688						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY	9:30:00 AM	82689						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY	11:30:00 AM	82690						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY	1:30:00 PM	82691						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY	3:30:00 PM	82692						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY.fx	9:30:00 AM	82693						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY.fx	11:30:00 AM	82694						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY.fx	1:30:00 PM	82695						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDJPY.fx	3:30:00 PM	82696						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDMXN	9:30:00 AM	82697						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDMXN	11:30:00 AM	82698						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDMXN	1:30:00 PM	82699						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	NZDMXN	3:30:00 PM	82700						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDNOK	9:30:00 AM	82701						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDNOK	11:30:00 AM	82702						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDNOK	1:30:00 PM	82703						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDNOK	3:30:00 PM	82704						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDPLN	9:30:00 AM	82705						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDPLN	11:30:00 AM	82706						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDPLN	1:30:00 PM	82707						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDPLN	3:30:00 PM	82708						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSEK	9:30:00 AM	82709						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSEK	11:30:00 AM	82710						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSEK	1:30:00 PM	82711						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSEK	3:30:00 PM	82712						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD	9:30:00 AM	82713						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD	11:30:00 AM	82714						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD	1:30:00 PM	82715						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD	3:30:00 PM	82716						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD.fx	9:30:00 AM	82717						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD.fx	11:30:00 AM	82718						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD.fx	1:30:00 PM	82719						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDSGD.fx	3:30:00 PM	82720						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD	9:30:00 AM	82721						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD	11:30:00 AM	82722						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD	1:30:00 PM	82723						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD	3:30:00 PM	82724						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD.fx	9:30:00 AM	82725						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD.fx	11:30:00 AM	82726						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD.fx	1:30:00 PM	82727						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDUSD.fx	3:30:00 PM	82728						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDZAR	9:30:00 AM	82729						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDZAR	11:30:00 AM	82730						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDZAR	1:30:00 PM	82731						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	NZDZAR	3:30:00 PM	82732						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY	9:30:00 AM	82733						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	SEKJPY	11:30:00 AM	82734						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY	1:30:00 PM	82735						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY	3:30:00 PM	82736						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY.fx	9:30:00 AM	82737						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY.fx	11:30:00 AM	82738						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY.fx	1:30:00 PM	82739						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SEKJPY.fx	3:30:00 PM	82740						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SGDJPY	9:30:00 AM	82741						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SGDJPY	11:30:00 AM	82742						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SGDJPY	1:30:00 PM	82743						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SGDJPY	3:30:00 PM	82744						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SILVER	9:30:00 AM	82745						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SILVER	11:30:00 AM	82746						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SILVER	1:30:00 PM	82747						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SILVER	3:30:00 PM	82748						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SPX500.i	9:30:00 AM	82749						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SPX500.i	11:30:00 AM	82750						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SPX500.i	1:30:00 PM	82751						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	SPX500.i	3:30:00 PM	82752						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	UK100.i	9:30:00 AM	82753						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	UK100.i	11:30:00 AM	82754						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	UK100.i	1:30:00 PM	82755						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	UK100.i	3:30:00 PM	82756						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD	9:30:00 AM	82757						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD	11:30:00 AM	82758						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD	1:30:00 PM	82759						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD	3:30:00 PM	82760						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD.fx	9:30:00 AM	82761						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD.fx	11:30:00 AM	82762						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD.fx	1:30:00 PM	82763						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCAD.fx	3:30:00 PM	82764						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF	9:30:00 AM	82765						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF	11:30:00 AM	82766						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF	1:30:00 PM	82767						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	USDCHF	3:30:00 PM	82768						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF.fx	9:30:00 AM	82769						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF.fx	11:30:00 AM	82770						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF.fx	1:30:00 PM	82771						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCHF.fx	3:30:00 PM	82772						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK	9:30:00 AM	82773						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK	11:30:00 AM	82774						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK	1:30:00 PM	82775						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK	3:30:00 PM	82776						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK.fx	9:30:00 AM	82777						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK.fx	11:30:00 AM	82778						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK.fx	1:30:00 PM	82779						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDCZK.fx	3:30:00 PM	82780						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK	9:30:00 AM	82781						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK	11:30:00 AM	82782						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK	1:30:00 PM	82783						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK	3:30:00 PM	82784						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK.fx	9:30:00 AM	82785						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK.fx	11:30:00 AM	82786						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK.fx	1:30:00 PM	82787						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDDKK.fx	3:30:00 PM	82788						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD	9:30:00 AM	82789						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD	11:30:00 AM	82790						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD	1:30:00 PM	82791						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD	3:30:00 PM	82792						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD.fx	9:30:00 AM	82793						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD.fx	11:30:00 AM	82794						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD.fx	1:30:00 PM	82795						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHKD.fx	3:30:00 PM	82796						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF	9:30:00 AM	82797						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF	11:30:00 AM	82798						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF	1:30:00 PM	82799						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF	3:30:00 PM	82800						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF.fx	9:30:00 AM	82801						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	USDHUF.fx	11:30:00 AM	82802						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF.fx	1:30:00 PM	82803						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDHUF.fx	3:30:00 PM	82804						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDINR	9:30:00 AM	82805						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDINR	11:30:00 AM	82806						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDINR	1:30:00 PM	82807						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDINR	3:30:00 PM	82808						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY	9:30:00 AM	82809						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY	11:30:00 AM	82810						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY	1:30:00 PM	82811						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY	3:30:00 PM	82812						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY.fx	9:30:00 AM	82813						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY.fx	11:30:00 AM	82814						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY.fx	1:30:00 PM	82815						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDJPY.fx	3:30:00 PM	82816						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDMXN	9:30:00 AM	82817						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDMXN	11:30:00 AM	82818						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDMXN	1:30:00 PM	82819						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDMXN	3:30:00 PM	82820						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JSDMXN.fx	9:30:00 AM	82821						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JSDMXN.fx	11:30:00 AM	82822						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JSDMXN.fx	1:30:00 PM	82823						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	JSDMXN.fx	3:30:00 PM	82824						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK	9:30:00 AM	82825						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK	11:30:00 AM	82826						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK	1:30:00 PM	82827						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK	3:30:00 PM	82828						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK.fx	9:30:00 AM	82829						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK.fx	11:30:00 AM	82830						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK.fx	1:30:00 PM	82831						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDNOK.fx	3:30:00 PM	82832						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDPLN	9:30:00 AM	82833						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDPLN	11:30:00 AM	82834						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDPLN	1:30:00 PM	82835						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	USDPLN	3:30:00 PM	82836						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	USDPLN.fx	11:30:00 AM	82838						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	USDPLN.fx	3:30:00 PM	82840						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDRUB	9:30:00 AM	82841						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDRUB	11:30:00 AM	82842						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDRUB	1:30:00 PM	82843						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDRUB	3:30:00 PM	82844						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK	9:30:00 AM	82845						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK	11:30:00 AM	82846						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK	1:30:00 PM	82847						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK	3:30:00 PM	82848						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK.fx	9:30:00 AM	82849						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK.fx	11:30:00 AM	82850						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK.fx	1:30:00 PM	82851						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSEK.fx	3:30:00 PM	82852						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD	9:30:00 AM	82853						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD	11:30:00 AM	82854						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD	1:30:00 PM	82855						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD	3:30:00 PM	82856						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD.fx	9:30:00 AM	82857						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD.fx	11:30:00 AM	82858						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD.fx	1:30:00 PM	82859						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDSGD.fx	3:30:00 PM	82860						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR	9:30:00 AM	82861						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR	11:30:00 AM	82862						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR	1:30:00 PM	82863						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR	3:30:00 PM	82864						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR.fx	9:30:00 AM	82865						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR.fx	11:30:00 AM	82866						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR.fx	1:30:00 PM	82867						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	USDZAR.fx	3:30:00 PM	82868						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	XAUUSD	9:30:00 AM	82869						Continuous Quote	N/A	ELECTRONIC	N/A

12/9/2019	XAUUSD	11:30:00 AM	82870						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	XAUUSD	1:30:00 PM	82871						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	XAUUSD	3:30:00 PM	82872						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY	9:30:00 AM	82873						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY	11:30:00 AM	82874						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY	1:30:00 PM	82875						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY	3:30:00 PM	82876						Continuous Quote	N/A	ELECTRONIC	N/A
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12/9/2019	ZARJPY.fx	11:30:00 AM	82878						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY.fx	1:30:00 PM	82879						Continuous Quote	N/A	ELECTRONIC	N/A
12/9/2019	ZARJPY.fx	3:30:00 PM	82880						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AA	11:30:00 AM	82882						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AA	3:30:00 PM	82884						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AABA	9:30:00 AM	82885						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AAL	11:30:00 AM	82890						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AAL	1:30:00 PM	82891						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AAL	3:30:00 PM	82892						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AAPL	9:30:00 AM	82893						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AAPL	11:30:00 AM	82894						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#ADBE	1:30:00 PM	82899						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#ADBE	3:30:00 PM	82900						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AIG	9:30:00 AM	82901						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AIG	11:30:00 AM	82902						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AIG	3:30:00 PM	82904						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AMD	11:30:00 AM	82906						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AMD	3:30:00 PM	82908						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AMZN	9:30:00 AM	82909						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AMZN	11:30:00 AM	82910						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AMZN	1:30:00 PM	82911						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#AXP	1:30:00 PM	82915						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#AXP	3:30:00 PM	82916						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BA	9:30:00 AM	82917						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#BABA	9:30:00 AM	82921						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BABA	11:30:00 AM	82922						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BABA	1:30:00 PM	82923						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BABA	3:30:00 PM	82924						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#BARC	11:30:00 AM	82930						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BARC	1:30:00 PM	82931						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BARC	3:30:00 PM	82932						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BHP	9:30:00 AM	82933						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BHP	11:30:00 AM	82934						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BHP	1:30:00 PM	82935						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BHP	3:30:00 PM	82936						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#BIDU	9:30:00 AM	82937						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	#BIDU	11:30:00 AM	82938						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#BTA	3:30:00 PM	82960						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#C	9:30:00 AM	82961						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#C	11:30:00 AM	82962						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	#C	1:30:00 PM	82963						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#DD	11:30:00 AM	82990						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#DD	3:30:00 PM	82992						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	#Ethereum	9:30:00 AM	83005						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	#Ethereum	11:30:00 AM	83006						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	AUDUSD.fx	3:30:00 PM	83412						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUDZAR	9:30:00 AM	83413						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	AUDZAR	11:30:00 AM	83414						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUDZAR	1:30:00 PM	83415						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUDZAR	3:30:00 PM	83416						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUS200.i	9:30:00 AM	83417						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUS200.i	11:30:00 AM	83418						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUS200.i	1:30:00 PM	83419						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	AUS200.i	3:30:00 PM	83420						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	BCHUSD	9:30:00 AM	83421						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	BCHUSD	11:30:00 AM	83422						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	BCHUSD	1:30:00 PM	83423						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	BCHUSD	3:30:00 PM	83424						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF	9:30:00 AM	83425						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF	11:30:00 AM	83426						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF	1:30:00 PM	83427						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF	3:30:00 PM	83428						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF.fx	9:30:00 AM	83429						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF.fx	11:30:00 AM	83430						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF.fx	1:30:00 PM	83431						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCHF.fx	3:30:00 PM	83432						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCZK	9:30:00 AM	83433						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCZK	11:30:00 AM	83434						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCZK	1:30:00 PM	83435						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADCZK	3:30:00 PM	83436						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADDDKK	9:30:00 AM	83437						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADDDKK	11:30:00 AM	83438						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADDDKK	1:30:00 PM	83439						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADDDKK	3:30:00 PM	83440						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHKD	9:30:00 AM	83441						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHKD	11:30:00 AM	83442						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHKD	1:30:00 PM	83443						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHKD	3:30:00 PM	83444						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHUF	9:30:00 AM	83445						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHUF	11:30:00 AM	83446						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADHUF	1:30:00 PM	83447						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	CADHUF	3:30:00 PM	83448						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY	9:30:00 AM	83449						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY	11:30:00 AM	83450						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY	1:30:00 PM	83451						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY	3:30:00 PM	83452						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY.fx	9:30:00 AM	83453						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY.fx	11:30:00 AM	83454						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY.fx	1:30:00 PM	83455						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADJPY.fx	3:30:00 PM	83456						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADMXN	9:30:00 AM	83457						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADMXN	11:30:00 AM	83458						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADMXN	1:30:00 PM	83459						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADMXN	3:30:00 PM	83460						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADNOK	9:30:00 AM	83461						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADNOK	11:30:00 AM	83462						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADNOK	1:30:00 PM	83463						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADNOK	3:30:00 PM	83464						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADPLN	9:30:00 AM	83465						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADPLN	11:30:00 AM	83466						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADPLN	1:30:00 PM	83467						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADPLN	3:30:00 PM	83468						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSEK	9:30:00 AM	83469						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSEK	11:30:00 AM	83470						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSEK	1:30:00 PM	83471						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSEK	3:30:00 PM	83472						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSGD	9:30:00 AM	83473						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSGD	11:30:00 AM	83474						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSGD	1:30:00 PM	83475						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADSGD	3:30:00 PM	83476						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADZAR	9:30:00 AM	83477						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADZAR	11:30:00 AM	83478						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADZAR	1:30:00 PM	83479						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CADZAR	3:30:00 PM	83480						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFCZK	9:30:00 AM	83481						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	CHFCZK	11:30:00 AM	83482						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFCZK	1:30:00 PM	83483						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFCZK	3:30:00 PM	83484						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK	9:30:00 AM	83485						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK	11:30:00 AM	83486						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK	1:30:00 PM	83487						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK	3:30:00 PM	83488						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK.fx	9:30:00 AM	83489						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK.fx	11:30:00 AM	83490						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK.fx	1:30:00 PM	83491						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFDKK.fx	3:30:00 PM	83492						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHKD	9:30:00 AM	83493						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHKD	11:30:00 AM	83494						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHKD	1:30:00 PM	83495						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHKD	3:30:00 PM	83496						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHUF	9:30:00 AM	83497						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHUF	11:30:00 AM	83498						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHUF	1:30:00 PM	83499						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFHUF	3:30:00 PM	83500						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY	9:30:00 AM	83501						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY	11:30:00 AM	83502						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY	1:30:00 PM	83503						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY	3:30:00 PM	83504						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY.fx	9:30:00 AM	83505						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY.fx	11:30:00 AM	83506						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY.fx	1:30:00 PM	83507						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFJPY.fx	3:30:00 PM	83508						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFMXN	9:30:00 AM	83509						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFMXN	11:30:00 AM	83510						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFMXN	1:30:00 PM	83511						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFMXN	3:30:00 PM	83512						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK	9:30:00 AM	83513						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK	11:30:00 AM	83514						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK	1:30:00 PM	83515						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	CHFNOK	3:30:00 PM	83516						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK.fx	9:30:00 AM	83517						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK.fx	11:30:00 AM	83518						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK.fx	1:30:00 PM	83519						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFNOK.fx	3:30:00 PM	83520						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN	9:30:00 AM	83521						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN	11:30:00 AM	83522						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN	1:30:00 PM	83523						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN	3:30:00 PM	83524						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN.fx	9:30:00 AM	83525						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN.fx	11:30:00 AM	83526						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN.fx	1:30:00 PM	83527						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFPLN.fx	3:30:00 PM	83528						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSEK	9:30:00 AM	83529						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSEK	11:30:00 AM	83530						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSEK	1:30:00 PM	83531						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSEK	3:30:00 PM	83532						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD	9:30:00 AM	83533						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD	11:30:00 AM	83534						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD	1:30:00 PM	83535						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD	3:30:00 PM	83536						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD.fx	9:30:00 AM	83537						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD.fx	11:30:00 AM	83538						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD.fx	1:30:00 PM	83539						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFSGD.fx	3:30:00 PM	83540						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFZAR	9:30:00 AM	83541						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFZAR	11:30:00 AM	83542						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFZAR	1:30:00 PM	83543						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CHFZAR	3:30:00 PM	83544						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CZKJPY	9:30:00 AM	83545						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CZKJPY	11:30:00 AM	83546						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CZKJPY	1:30:00 PM	83547						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	CZKJPY	3:30:00 PM	83548						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DAX30.i	9:30:00 AM	83549						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	DAX30.i	11:30:00 AM	83550						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DAX30.i	1:30:00 PM	83551						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DAX30.i	3:30:00 PM	83552						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DJ30.i	9:30:00 AM	83553						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DJ30.i	11:30:00 AM	83554						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DJ30.i	1:30:00 PM	83555						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DJ30.i	3:30:00 PM	83556						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DKKJPY	9:30:00 AM	83557						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DKKJPY	11:30:00 AM	83558						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DKKJPY	1:30:00 PM	83559						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	DKKJPY	3:30:00 PM	83560						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD	9:30:00 AM	83561						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD	11:30:00 AM	83562						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD	1:30:00 PM	83563						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD	3:30:00 PM	83564						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD.fx	9:30:00 AM	83565						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD.fx	11:30:00 AM	83566						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD.fx	1:30:00 PM	83567						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURAUD.fx	3:30:00 PM	83568						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD	9:30:00 AM	83569						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD	11:30:00 AM	83570						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD	1:30:00 PM	83571						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD	3:30:00 PM	83572						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD.fx	9:30:00 AM	83573						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD.fx	11:30:00 AM	83574						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD.fx	1:30:00 PM	83575						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCAD.fx	3:30:00 PM	83576						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF	9:30:00 AM	83577						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF	11:30:00 AM	83578						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF	1:30:00 PM	83579						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF	3:30:00 PM	83580						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF.fx	9:30:00 AM	83581						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF.fx	11:30:00 AM	83582						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCHF.fx	1:30:00 PM	83583						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	EURCHF.fx	3:30:00 PM	83584						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCZK	9:30:00 AM	83585						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCZK	11:30:00 AM	83586						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCZK	1:30:00 PM	83587						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURCZK	3:30:00 PM	83588						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURDKK	9:30:00 AM	83589						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURDKK	11:30:00 AM	83590						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURDKK	1:30:00 PM	83591						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURDKK	3:30:00 PM	83592						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP	9:30:00 AM	83593						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP	11:30:00 AM	83594						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP	1:30:00 PM	83595						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP	3:30:00 PM	83596						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP.fx	9:30:00 AM	83597						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP.fx	11:30:00 AM	83598						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP.fx	1:30:00 PM	83599						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURGBP.fx	3:30:00 PM	83600						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD	9:30:00 AM	83601						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD	11:30:00 AM	83602						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD	1:30:00 PM	83603						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD	3:30:00 PM	83604						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD.fx	9:30:00 AM	83605						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD.fx	11:30:00 AM	83606						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD.fx	1:30:00 PM	83607						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHKD.fx	3:30:00 PM	83608						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF	9:30:00 AM	83609						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF	11:30:00 AM	83610						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF	1:30:00 PM	83611						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF	3:30:00 PM	83612						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF.fx	9:30:00 AM	83613						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF.fx	11:30:00 AM	83614						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF.fx	1:30:00 PM	83615						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURHUF.fx	3:30:00 PM	83616						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY	9:30:00 AM	83617						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	EURJPY	11:30:00 AM	83618						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY	1:30:00 PM	83619						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY	3:30:00 PM	83620						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY.fx	9:30:00 AM	83621						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY.fx	11:30:00 AM	83622						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY.fx	1:30:00 PM	83623						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURJPY.fx	3:30:00 PM	83624						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN	9:30:00 AM	83625						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN	11:30:00 AM	83626						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN	1:30:00 PM	83627						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN	3:30:00 PM	83628						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN.fx	9:30:00 AM	83629						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN.fx	11:30:00 AM	83630						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN.fx	1:30:00 PM	83631						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURMXN.fx	3:30:00 PM	83632						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK	9:30:00 AM	83633						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK	11:30:00 AM	83634						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK	1:30:00 PM	83635						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK	3:30:00 PM	83636						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK.fx	9:30:00 AM	83637						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK.fx	11:30:00 AM	83638						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK.fx	1:30:00 PM	83639						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNOK.fx	3:30:00 PM	83640						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD	9:30:00 AM	83641						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD	11:30:00 AM	83642						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD	1:30:00 PM	83643						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD	3:30:00 PM	83644						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD.fx	9:30:00 AM	83645						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD.fx	11:30:00 AM	83646						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD.fx	1:30:00 PM	83647						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURNZD.fx	3:30:00 PM	83648						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURPLN	9:30:00 AM	83649						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURPLN	11:30:00 AM	83650						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURPLN	1:30:00 PM	83651						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	EURPLN	3:30:00 PM	83652						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	EURPLN.fx	11:30:00 AM	83654						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURPLN.fx	1:30:00 PM	83655						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURPLN.fx	3:30:00 PM	83656						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURRUB	9:30:00 AM	83657						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURRUB	11:30:00 AM	83658						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURRUB	1:30:00 PM	83659						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURRUB	3:30:00 PM	83660						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSEK	9:30:00 AM	83661						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSEK	11:30:00 AM	83662						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	EURSEK.fx	11:30:00 AM	83666						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	EURSGD	1:30:00 PM	83671						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSGD	3:30:00 PM	83672						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSGD.fx	9:30:00 AM	83673						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSGD.fx	11:30:00 AM	83674						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSGD.fx	1:30:00 PM	83675						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURSGD.fx	3:30:00 PM	83676						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURUSD	9:30:00 AM	83677						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURUSD	11:30:00 AM	83678						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	EURUSD.fx	1:30:00 PM	83683						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURUSD.fx	3:30:00 PM	83684						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURZAR	9:30:00 AM	83685						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	EURZAR	11:30:00 AM	83686						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURZAR	1:30:00 PM	83687						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURZAR	3:30:00 PM	83688						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	EURZAR.fx	11:30:00 AM	83690						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURZAR.fx	1:30:00 PM	83691						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	EURZAR.fx	3:30:00 PM	83692						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPAUD	9:30:00 AM	83693						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPAUD	11:30:00 AM	83694						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPAUD	1:30:00 PM	83695						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPAUD	3:30:00 PM	83696						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPAUD.fx	9:30:00 AM	83697						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPAUD.fx	3:30:00 PM	83700						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCAD	9:30:00 AM	83701						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCAD	11:30:00 AM	83702						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCAD	1:30:00 PM	83703						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCAD	3:30:00 PM	83704						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPCAD.fx	11:30:00 AM	83706						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPCAD.fx	3:30:00 PM	83708						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF	9:30:00 AM	83709						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF	11:30:00 AM	83710						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF	1:30:00 PM	83711						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF	3:30:00 PM	83712						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF.fx	9:30:00 AM	83713						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF.fx	11:30:00 AM	83714						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF.fx	1:30:00 PM	83715						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCHF.fx	3:30:00 PM	83716						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCZK	9:30:00 AM	83717						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCZK	11:30:00 AM	83718						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPCZK	1:30:00 PM	83719						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	GBPCZK	3:30:00 PM	83720						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK	9:30:00 AM	83721						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK	11:30:00 AM	83722						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK	1:30:00 PM	83723						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK	3:30:00 PM	83724						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK.fx	9:30:00 AM	83725						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK.fx	11:30:00 AM	83726						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK.fx	1:30:00 PM	83727						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPDKK.fx	3:30:00 PM	83728						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHKD	9:30:00 AM	83729						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHKD	11:30:00 AM	83730						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHKD	1:30:00 PM	83731						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHKD	3:30:00 PM	83732						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHUF	9:30:00 AM	83733						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHUF	11:30:00 AM	83734						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHUF	1:30:00 PM	83735						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPHUF	3:30:00 PM	83736						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY	9:30:00 AM	83737						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY	11:30:00 AM	83738						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY	1:30:00 PM	83739						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY	3:30:00 PM	83740						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY.fx	9:30:00 AM	83741						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY.fx	11:30:00 AM	83742						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY.fx	1:30:00 PM	83743						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPJPY.fx	3:30:00 PM	83744						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPMXN	9:30:00 AM	83745						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPMXN	11:30:00 AM	83746						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPMXN	1:30:00 PM	83747						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPMXN	3:30:00 PM	83748						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNOK	9:30:00 AM	83749						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNOK	11:30:00 AM	83750						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNOK	1:30:00 PM	83751						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNOK	3:30:00 PM	83752						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNOK.fx	9:30:00 AM	83753						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	GBPNOK.fx	11:30:00 AM	83754						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPNOK.fx	3:30:00 PM	83756						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD	9:30:00 AM	83757						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD	11:30:00 AM	83758						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD	1:30:00 PM	83759						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD	3:30:00 PM	83760						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD.fx	9:30:00 AM	83761						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD.fx	11:30:00 AM	83762						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD.fx	1:30:00 PM	83763						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPNZD.fx	3:30:00 PM	83764						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN	9:30:00 AM	83765						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN	11:30:00 AM	83766						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN	1:30:00 PM	83767						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN	3:30:00 PM	83768						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN.fx	9:30:00 AM	83769						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN.fx	11:30:00 AM	83770						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN.fx	1:30:00 PM	83771						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPPLN.fx	3:30:00 PM	83772						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK	9:30:00 AM	83773						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK	11:30:00 AM	83774						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK	1:30:00 PM	83775						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK	3:30:00 PM	83776						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK.fx	9:30:00 AM	83777						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSEK.fx	11:30:00 AM	83778						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPSEK.fx	3:30:00 PM	83780						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD	9:30:00 AM	83781						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD	11:30:00 AM	83782						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD	1:30:00 PM	83783						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD	3:30:00 PM	83784						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD.fx	9:30:00 AM	83785						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD.fx	11:30:00 AM	83786						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPSGD.fx	1:30:00 PM	83787						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	GBPSGD.fx	3:30:00 PM	83788						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD	9:30:00 AM	83789						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD	11:30:00 AM	83790						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD	1:30:00 PM	83791						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD	3:30:00 PM	83792						Continuous Quote	N/A	ELECTRONIC	N/A
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12/10/2019	GBPUSD.fx	11:30:00 AM	83794						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD.fx	1:30:00 PM	83795						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPUSD.fx	3:30:00 PM	83796						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR	9:30:00 AM	83797						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR	11:30:00 AM	83798						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR	1:30:00 PM	83799						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR	3:30:00 PM	83800						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR.fx	9:30:00 AM	83801						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR.fx	11:30:00 AM	83802						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR.fx	1:30:00 PM	83803						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GBPZAR.fx	3:30:00 PM	83804						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GOLD	9:30:00 AM	83805						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GOLD	11:30:00 AM	83806						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GOLD	1:30:00 PM	83807						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	GOLD	3:30:00 PM	83808						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY	9:30:00 AM	83809						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY	11:30:00 AM	83810						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY	1:30:00 PM	83811						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY	3:30:00 PM	83812						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY.fx	9:30:00 AM	83813						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY.fx	11:30:00 AM	83814						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY.fx	1:30:00 PM	83815						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HKDJPY.fx	3:30:00 PM	83816						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HUFJPY	9:30:00 AM	83817						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HUFJPY	11:30:00 AM	83818						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HUFJPY	1:30:00 PM	83819						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	HUFJPY	3:30:00 PM	83820						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JP225.i	9:30:00 AM	83821						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	JP225.i	11:30:00 AM	83822						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JP225.i	1:30:00 PM	83823						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JP225.i	3:30:00 PM	83824						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	MXNJPY	9:30:00 AM	83825						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	MXNJPY	11:30:00 AM	83826						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	MXNJPY	1:30:00 PM	83827						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	MXNJPY	3:30:00 PM	83828						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NASDAQ.i	9:30:00 AM	83829						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NASDAQ.i	11:30:00 AM	83830						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NASDAQ.i	1:30:00 PM	83831						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NASDAQ.i	3:30:00 PM	83832						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY	9:30:00 AM	83833						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY	11:30:00 AM	83834						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY	1:30:00 PM	83835						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY	3:30:00 PM	83836						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY.fx	9:30:00 AM	83837						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY.fx	11:30:00 AM	83838						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY.fx	1:30:00 PM	83839						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NOKJPY.fx	3:30:00 PM	83840						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD	9:30:00 AM	83841						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD	11:30:00 AM	83842						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD	1:30:00 PM	83843						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD	3:30:00 PM	83844						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD.fx	9:30:00 AM	83845						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD.fx	11:30:00 AM	83846						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD.fx	1:30:00 PM	83847						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCAD.fx	3:30:00 PM	83848						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF	9:30:00 AM	83849						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF	11:30:00 AM	83850						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF	1:30:00 PM	83851						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF	3:30:00 PM	83852						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF.fx	9:30:00 AM	83853						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF.fx	11:30:00 AM	83854						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCHF.fx	1:30:00 PM	83855						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	NZDCHF.fx	3:30:00 PM	83856						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCZK	9:30:00 AM	83857						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCZK	11:30:00 AM	83858						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCZK	1:30:00 PM	83859						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDCZK	3:30:00 PM	83860						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDDKK	9:30:00 AM	83861						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDDKK	11:30:00 AM	83862						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDDKK	1:30:00 PM	83863						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDDKK	3:30:00 PM	83864						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHKD	9:30:00 AM	83865						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHKD	11:30:00 AM	83866						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHKD	1:30:00 PM	83867						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHKD	3:30:00 PM	83868						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHUF	9:30:00 AM	83869						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHUF	11:30:00 AM	83870						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHUF	1:30:00 PM	83871						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDHUF	3:30:00 PM	83872						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY	9:30:00 AM	83873						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY	11:30:00 AM	83874						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY	1:30:00 PM	83875						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY	3:30:00 PM	83876						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY.fx	9:30:00 AM	83877						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY.fx	11:30:00 AM	83878						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY.fx	1:30:00 PM	83879						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDJPY.fx	3:30:00 PM	83880						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDMXN	9:30:00 AM	83881						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDMXN	11:30:00 AM	83882						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDMXN	1:30:00 PM	83883						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDMXN	3:30:00 PM	83884						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDNOK	9:30:00 AM	83885						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDNOK	11:30:00 AM	83886						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDNOK	1:30:00 PM	83887						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDNOK	3:30:00 PM	83888						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDPLN	9:30:00 AM	83889						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	NZDPLN	11:30:00 AM	83890						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDPLN	1:30:00 PM	83891						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDPLN	3:30:00 PM	83892						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSEK	9:30:00 AM	83893						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSEK	11:30:00 AM	83894						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSEK	1:30:00 PM	83895						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSEK	3:30:00 PM	83896						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD	9:30:00 AM	83897						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD	11:30:00 AM	83898						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD	1:30:00 PM	83899						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD	3:30:00 PM	83900						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD.fx	9:30:00 AM	83901						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD.fx	11:30:00 AM	83902						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD.fx	1:30:00 PM	83903						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDSGD.fx	3:30:00 PM	83904						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD	9:30:00 AM	83905						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD	11:30:00 AM	83906						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD	1:30:00 PM	83907						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD	3:30:00 PM	83908						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD.fx	9:30:00 AM	83909						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD.fx	11:30:00 AM	83910						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD.fx	1:30:00 PM	83911						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDUSD.fx	3:30:00 PM	83912						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDZAR	9:30:00 AM	83913						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDZAR	11:30:00 AM	83914						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDZAR	1:30:00 PM	83915						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	NZDZAR	3:30:00 PM	83916						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY	9:30:00 AM	83917						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY	11:30:00 AM	83918						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY	1:30:00 PM	83919						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY	3:30:00 PM	83920						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY.fx	9:30:00 AM	83921						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY.fx	11:30:00 AM	83922						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SEKJPY.fx	1:30:00 PM	83923						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	SEKJPY.fx	3:30:00 PM	83924						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SGDJPY	9:30:00 AM	83925						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SGDJPY	11:30:00 AM	83926						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SGDJPY	1:30:00 PM	83927						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SGDJPY	3:30:00 PM	83928						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SILVER	9:30:00 AM	83929						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SILVER	11:30:00 AM	83930						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SILVER	1:30:00 PM	83931						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SILVER	3:30:00 PM	83932						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SPX500.i	9:30:00 AM	83933						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SPX500.i	11:30:00 AM	83934						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SPX500.i	1:30:00 PM	83935						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	SPX500.i	3:30:00 PM	83936						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	UK100.i	9:30:00 AM	83937						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	UK100.i	11:30:00 AM	83938						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	UK100.i	1:30:00 PM	83939						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	UK100.i	3:30:00 PM	83940						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD	9:30:00 AM	83941						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD	11:30:00 AM	83942						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD	1:30:00 PM	83943						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD	3:30:00 PM	83944						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD.fx	9:30:00 AM	83945						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD.fx	11:30:00 AM	83946						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD.fx	1:30:00 PM	83947						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCAD.fx	3:30:00 PM	83948						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF	9:30:00 AM	83949						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF	11:30:00 AM	83950						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF	1:30:00 PM	83951						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF	3:30:00 PM	83952						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF.fx	9:30:00 AM	83953						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF.fx	11:30:00 AM	83954						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF.fx	1:30:00 PM	83955						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCHF.fx	3:30:00 PM	83956						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK	9:30:00 AM	83957						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	USDCZK	11:30:00 AM	83958						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK	1:30:00 PM	83959						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK	3:30:00 PM	83960						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK.fx	9:30:00 AM	83961						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK.fx	11:30:00 AM	83962						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK.fx	1:30:00 PM	83963						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDCZK.fx	3:30:00 PM	83964						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK	9:30:00 AM	83965						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK	11:30:00 AM	83966						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK	1:30:00 PM	83967						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK	3:30:00 PM	83968						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK.fx	9:30:00 AM	83969						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK.fx	11:30:00 AM	83970						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK.fx	1:30:00 PM	83971						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDDKK.fx	3:30:00 PM	83972						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD	9:30:00 AM	83973						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD	11:30:00 AM	83974						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD	1:30:00 PM	83975						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD	3:30:00 PM	83976						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD.fx	9:30:00 AM	83977						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD.fx	11:30:00 AM	83978						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD.fx	1:30:00 PM	83979						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHKD.fx	3:30:00 PM	83980						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF	9:30:00 AM	83981						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF	11:30:00 AM	83982						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF	1:30:00 PM	83983						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF	3:30:00 PM	83984						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF.fx	9:30:00 AM	83985						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF.fx	11:30:00 AM	83986						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF.fx	1:30:00 PM	83987						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDHUF.fx	3:30:00 PM	83988						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDINR	9:30:00 AM	83989						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDINR	11:30:00 AM	83990						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDINR	1:30:00 PM	83991						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	USDINR	3:30:00 PM	83992						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY	9:30:00 AM	83993						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY	11:30:00 AM	83994						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY	1:30:00 PM	83995						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY	3:30:00 PM	83996						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY.fx	9:30:00 AM	83997						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY.fx	11:30:00 AM	83998						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY.fx	1:30:00 PM	83999						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDJPY.fx	3:30:00 PM	84000						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDMXN	9:30:00 AM	84001						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDMXN	11:30:00 AM	84002						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDMXN	1:30:00 PM	84003						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDMXN	3:30:00 PM	84004						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JSDMXN.fx	9:30:00 AM	84005						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JSDMXN.fx	11:30:00 AM	84006						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JSDMXN.fx	1:30:00 PM	84007						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	JSDMXN.fx	3:30:00 PM	84008						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK	9:30:00 AM	84009						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK	11:30:00 AM	84010						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK	1:30:00 PM	84011						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK	3:30:00 PM	84012						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK.fx	9:30:00 AM	84013						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK.fx	11:30:00 AM	84014						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK.fx	1:30:00 PM	84015						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDNOK.fx	3:30:00 PM	84016						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN	9:30:00 AM	84017						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN	11:30:00 AM	84018						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN	1:30:00 PM	84019						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN	3:30:00 PM	84020						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN.fx	9:30:00 AM	84021						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN.fx	11:30:00 AM	84022						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN.fx	1:30:00 PM	84023						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDPLN.fx	3:30:00 PM	84024						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDRUB	9:30:00 AM	84025						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	USDRUB	11:30:00 AM	84026						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDRUB	1:30:00 PM	84027						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDRUB	3:30:00 PM	84028						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK	9:30:00 AM	84029						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK	11:30:00 AM	84030						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK	1:30:00 PM	84031						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK	3:30:00 PM	84032						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK.fx	9:30:00 AM	84033						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK.fx	11:30:00 AM	84034						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK.fx	1:30:00 PM	84035						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSEK.fx	3:30:00 PM	84036						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD	9:30:00 AM	84037						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD	11:30:00 AM	84038						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD	1:30:00 PM	84039						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD	3:30:00 PM	84040						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD.fx	9:30:00 AM	84041						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD.fx	11:30:00 AM	84042						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD.fx	1:30:00 PM	84043						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDSGD.fx	3:30:00 PM	84044						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR	9:30:00 AM	84045						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR	11:30:00 AM	84046						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR	1:30:00 PM	84047						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR	3:30:00 PM	84048						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR.fx	9:30:00 AM	84049						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR.fx	11:30:00 AM	84050						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR.fx	1:30:00 PM	84051						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	USDZAR.fx	3:30:00 PM	84052						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	XAUUSD	9:30:00 AM	84053						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	XAUUSD	11:30:00 AM	84054						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	XAUUSD	1:30:00 PM	84055						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	XAUUSD	3:30:00 PM	84056						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY	9:30:00 AM	84057						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY	11:30:00 AM	84058						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY	1:30:00 PM	84059						Continuous Quote	N/A	ELECTRONIC	N/A

12/10/2019	ZARJPY	3:30:00 PM	84060						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY.fx	9:30:00 AM	84061						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY.fx	11:30:00 AM	84062						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY.fx	1:30:00 PM	84063						Continuous Quote	N/A	ELECTRONIC	N/A
12/10/2019	ZARJPY.fx	3:30:00 PM	84064						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AA	9:30:00 AM	84065						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AA	11:30:00 AM	84066						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AA	1:30:00 PM	84067						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AA	3:30:00 PM	84068						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AABA	9:30:00 AM	84069						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AABA	11:30:00 AM	84070						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AABA	1:30:00 PM	84071						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AABA	3:30:00 PM	84072						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAL	9:30:00 AM	84073						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAL	11:30:00 AM	84074						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAL	1:30:00 PM	84075						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAL	3:30:00 PM	84076						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAPL	9:30:00 AM	84077						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAPL	11:30:00 AM	84078						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAPL	1:30:00 PM	84079						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AAPL	3:30:00 PM	84080						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#ADBE	9:30:00 AM	84081						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#ADBE	11:30:00 AM	84082						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#ADBE	1:30:00 PM	84083						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#ADBE	3:30:00 PM	84084						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AIG	9:30:00 AM	84085						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AIG	11:30:00 AM	84086						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AIG	1:30:00 PM	84087						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AIG	3:30:00 PM	84088						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMD	9:30:00 AM	84089						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMD	11:30:00 AM	84090						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMD	1:30:00 PM	84091						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMD	3:30:00 PM	84092						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMZN	9:30:00 AM	84093						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	#AMZN	11:30:00 AM	84094						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMZN	1:30:00 PM	84095						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AMZN	3:30:00 PM	84096						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AXP	9:30:00 AM	84097						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AXP	11:30:00 AM	84098						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AXP	1:30:00 PM	84099						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#AXP	3:30:00 PM	84100						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BA	9:30:00 AM	84101						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BA	11:30:00 AM	84102						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BA	1:30:00 PM	84103						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BA	3:30:00 PM	84104						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BABA	9:30:00 AM	84105						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BABA	11:30:00 AM	84106						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BABA	1:30:00 PM	84107						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BABA	3:30:00 PM	84108						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BAC	9:30:00 AM	84109						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BAC	11:30:00 AM	84110						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BAC	1:30:00 PM	84111						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BAC	3:30:00 PM	84112						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BARC	9:30:00 AM	84113						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BARC	11:30:00 AM	84114						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BARC	1:30:00 PM	84115						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BARC	3:30:00 PM	84116						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BHP	9:30:00 AM	84117						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BHP	11:30:00 AM	84118						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BHP	1:30:00 PM	84119						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BHP	3:30:00 PM	84120						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BIDU	9:30:00 AM	84121						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BIDU	11:30:00 AM	84122						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BIDU	1:30:00 PM	84123						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BIDU	3:30:00 PM	84124						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#Bitcoin	9:30:00 AM	84125						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#Bitcoin	11:30:00 AM	84126						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#Bitcoin	1:30:00 PM	84127						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	#Bitcoin	3:30:00 PM	84128						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BK	9:30:00 AM	84129						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BK	11:30:00 AM	84130						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BK	1:30:00 PM	84131						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BK	3:30:00 PM	84132						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BLT	9:30:00 AM	84133						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BLT	11:30:00 AM	84134						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BLT	1:30:00 PM	84135						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BLT	3:30:00 PM	84136						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BP	9:30:00 AM	84137						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BP	11:30:00 AM	84138						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BP	1:30:00 PM	84139						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BP	3:30:00 PM	84140						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BTA	9:30:00 AM	84141						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BTA	11:30:00 AM	84142						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BTA	1:30:00 PM	84143						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#BTA	3:30:00 PM	84144						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#C	9:30:00 AM	84145						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#C	11:30:00 AM	84146						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#C	1:30:00 PM	84147						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#C	3:30:00 PM	84148						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#CHL	9:30:00 AM	84153						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#CHL	3:30:00 PM	84156						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CL.f	9:30:00 AM	84157						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CL.f	11:30:00 AM	84158						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CL.f	1:30:00 PM	84159						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CL.f	3:30:00 PM	84160						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CMCSA	9:30:00 AM	84161						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	#CMCSA	11:30:00 AM	84162						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CMCSA	1:30:00 PM	84163						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CMCSA	3:30:00 PM	84164						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CSCO	9:30:00 AM	84165						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CSCO	11:30:00 AM	84166						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CSCO	1:30:00 PM	84167						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CSCO	3:30:00 PM	84168						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CVX	9:30:00 AM	84169						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CVX	11:30:00 AM	84170						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CVX	1:30:00 PM	84171						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#CVX	3:30:00 PM	84172						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#DD	9:30:00 AM	84173						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#DD	1:30:00 PM	84175						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#DD	3:30:00 PM	84176						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#DIS	9:30:00 AM	84177						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#DWDP	3:30:00 PM	84184						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#EBAY	9:30:00 AM	84185						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#EBAY	11:30:00 AM	84186						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#EBAY	1:30:00 PM	84187						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#GILD	1:30:00 PM	84223						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#PG	3:30:00 PM	84396						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#POT	9:30:00 AM	84397						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#POT	11:30:00 AM	84398						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#POT	3:30:00 PM	84400						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#QCOM	3:30:00 PM	84404						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#Ripple	3:30:00 PM	84412						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#SPY	11:30:00 AM	84426						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#T	3:30:00 PM	84432						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#TRI	3:30:00 PM	84440						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#UL	9:30:00 AM	84461						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#UL	11:30:00 AM	84462						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#UL	1:30:00 PM	84463						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#UL	3:30:00 PM	84464						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#UTX	3:30:00 PM	84472						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#VZ	3:30:00 PM	84484						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	#WDC	9:30:00 AM	84485						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#WFC	3:30:00 PM	84492						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	#YHOO	3:30:00 PM	84504						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	AUDCHF.fx	3:30:00 PM	84524						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	AUDDKK	3:30:00 PM	84532						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDHKD	9:30:00 AM	84533						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	AUDSEK.fx	11:30:00 AM	84578						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	AUDSEK.fx	3:30:00 PM	84580						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	AUDSGD.fx	11:30:00 AM	84586						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDSGD.fx	1:30:00 PM	84587						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDSGD.fx	3:30:00 PM	84588						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD	9:30:00 AM	84589						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD	11:30:00 AM	84590						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD	1:30:00 PM	84591						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD	3:30:00 PM	84592						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD.fx	9:30:00 AM	84593						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD.fx	11:30:00 AM	84594						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD.fx	1:30:00 PM	84595						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDUSD.fx	3:30:00 PM	84596						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDZAR	9:30:00 AM	84597						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDZAR	11:30:00 AM	84598						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDZAR	1:30:00 PM	84599						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUDZAR	3:30:00 PM	84600						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUS200.i	9:30:00 AM	84601						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUS200.i	11:30:00 AM	84602						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	AUS200.i	1:30:00 PM	84603						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	AUS200.i	3:30:00 PM	84604						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	BCHUSD	9:30:00 AM	84605						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	BCHUSD	11:30:00 AM	84606						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	BCHUSD	1:30:00 PM	84607						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	BCHUSD	3:30:00 PM	84608						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF	9:30:00 AM	84609						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF	11:30:00 AM	84610						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF	1:30:00 PM	84611						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF	3:30:00 PM	84612						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF.fx	9:30:00 AM	84613						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF.fx	11:30:00 AM	84614						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF.fx	1:30:00 PM	84615						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCHF.fx	3:30:00 PM	84616						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCZK	9:30:00 AM	84617						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCZK	11:30:00 AM	84618						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCZK	1:30:00 PM	84619						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADCZK	3:30:00 PM	84620						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADDDKK	9:30:00 AM	84621						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADDDKK	11:30:00 AM	84622						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADDDKK	1:30:00 PM	84623						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADDDKK	3:30:00 PM	84624						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHKD	9:30:00 AM	84625						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHKD	11:30:00 AM	84626						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHKD	1:30:00 PM	84627						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHKD	3:30:00 PM	84628						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHUF	9:30:00 AM	84629						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHUF	11:30:00 AM	84630						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHUF	1:30:00 PM	84631						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADHUF	3:30:00 PM	84632						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY	9:30:00 AM	84633						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY	11:30:00 AM	84634						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY	1:30:00 PM	84635						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY	3:30:00 PM	84636						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY.fx	9:30:00 AM	84637						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	CADJPY.fx	11:30:00 AM	84638						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY.fx	1:30:00 PM	84639						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADJPY.fx	3:30:00 PM	84640						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADMXN	9:30:00 AM	84641						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADMXN	11:30:00 AM	84642						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADMXN	1:30:00 PM	84643						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADMXN	3:30:00 PM	84644						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADNOK	9:30:00 AM	84645						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADNOK	11:30:00 AM	84646						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADNOK	1:30:00 PM	84647						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADNOK	3:30:00 PM	84648						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADPLN	9:30:00 AM	84649						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADPLN	11:30:00 AM	84650						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADPLN	1:30:00 PM	84651						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADPLN	3:30:00 PM	84652						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSEK	9:30:00 AM	84653						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSEK	11:30:00 AM	84654						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSEK	1:30:00 PM	84655						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSEK	3:30:00 PM	84656						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSGD	9:30:00 AM	84657						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSGD	11:30:00 AM	84658						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSGD	1:30:00 PM	84659						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADSGD	3:30:00 PM	84660						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADZAR	9:30:00 AM	84661						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADZAR	11:30:00 AM	84662						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADZAR	1:30:00 PM	84663						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CADZAR	3:30:00 PM	84664						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFCZK	9:30:00 AM	84665						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFCZK	11:30:00 AM	84666						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFCZK	1:30:00 PM	84667						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFCZK	3:30:00 PM	84668						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK	9:30:00 AM	84669						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK	11:30:00 AM	84670						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK	1:30:00 PM	84671						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	CHFDKK	3:30:00 PM	84672						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK.fx	9:30:00 AM	84673						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK.fx	11:30:00 AM	84674						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK.fx	1:30:00 PM	84675						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFDKK.fx	3:30:00 PM	84676						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHKD	9:30:00 AM	84677						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHKD	11:30:00 AM	84678						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHKD	1:30:00 PM	84679						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHKD	3:30:00 PM	84680						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHUF	9:30:00 AM	84681						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHUF	11:30:00 AM	84682						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHUF	1:30:00 PM	84683						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFHUF	3:30:00 PM	84684						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY	9:30:00 AM	84685						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY	11:30:00 AM	84686						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY	1:30:00 PM	84687						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY	3:30:00 PM	84688						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY.fx	9:30:00 AM	84689						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY.fx	11:30:00 AM	84690						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY.fx	1:30:00 PM	84691						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFJPY.fx	3:30:00 PM	84692						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFMXN	9:30:00 AM	84693						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFMXN	11:30:00 AM	84694						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFMXN	1:30:00 PM	84695						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFMXN	3:30:00 PM	84696						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK	9:30:00 AM	84697						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK	11:30:00 AM	84698						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK	1:30:00 PM	84699						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK	3:30:00 PM	84700						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK.fx	9:30:00 AM	84701						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK.fx	11:30:00 AM	84702						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK.fx	1:30:00 PM	84703						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFNOK.fx	3:30:00 PM	84704						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN	9:30:00 AM	84705						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	CHFPLN	11:30:00 AM	84706						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN	1:30:00 PM	84707						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN	3:30:00 PM	84708						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN.fx	9:30:00 AM	84709						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN.fx	11:30:00 AM	84710						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN.fx	1:30:00 PM	84711						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFPLN.fx	3:30:00 PM	84712						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSEK	9:30:00 AM	84713						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSEK	11:30:00 AM	84714						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSEK	1:30:00 PM	84715						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSEK	3:30:00 PM	84716						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD	9:30:00 AM	84717						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD	11:30:00 AM	84718						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD	1:30:00 PM	84719						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD	3:30:00 PM	84720						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD.fx	9:30:00 AM	84721						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD.fx	11:30:00 AM	84722						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD.fx	1:30:00 PM	84723						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFSGD.fx	3:30:00 PM	84724						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFZAR	9:30:00 AM	84725						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFZAR	11:30:00 AM	84726						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFZAR	1:30:00 PM	84727						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CHFZAR	3:30:00 PM	84728						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CZKJPY	9:30:00 AM	84729						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CZKJPY	11:30:00 AM	84730						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CZKJPY	1:30:00 PM	84731						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	CZKJPY	3:30:00 PM	84732						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DAX30.i	9:30:00 AM	84733						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DAX30.i	11:30:00 AM	84734						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DAX30.i	1:30:00 PM	84735						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DAX30.i	3:30:00 PM	84736						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DJ30.i	9:30:00 AM	84737						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DJ30.i	11:30:00 AM	84738						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DJ30.i	1:30:00 PM	84739						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	DJ30.i	3:30:00 PM	84740						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DKKJPY	9:30:00 AM	84741						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DKKJPY	11:30:00 AM	84742						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DKKJPY	1:30:00 PM	84743						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	DKKJPY	3:30:00 PM	84744						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD	9:30:00 AM	84745						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD	11:30:00 AM	84746						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD	1:30:00 PM	84747						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD	3:30:00 PM	84748						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD.fx	9:30:00 AM	84749						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD.fx	11:30:00 AM	84750						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD.fx	1:30:00 PM	84751						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURAUD.fx	3:30:00 PM	84752						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD	9:30:00 AM	84753						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD	11:30:00 AM	84754						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD	1:30:00 PM	84755						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD	3:30:00 PM	84756						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD.fx	9:30:00 AM	84757						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD.fx	11:30:00 AM	84758						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD.fx	1:30:00 PM	84759						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCAD.fx	3:30:00 PM	84760						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF	9:30:00 AM	84761						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF	11:30:00 AM	84762						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF	1:30:00 PM	84763						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF	3:30:00 PM	84764						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF.fx	9:30:00 AM	84765						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF.fx	11:30:00 AM	84766						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF.fx	1:30:00 PM	84767						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCHF.fx	3:30:00 PM	84768						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCZK	9:30:00 AM	84769						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCZK	11:30:00 AM	84770						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCZK	1:30:00 PM	84771						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURCZK	3:30:00 PM	84772						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURDKK	9:30:00 AM	84773						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	EURDKK	11:30:00 AM	84774						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURDKK	1:30:00 PM	84775						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURDKK	3:30:00 PM	84776						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP	9:30:00 AM	84777						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP	11:30:00 AM	84778						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP	1:30:00 PM	84779						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP	3:30:00 PM	84780						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP.fx	9:30:00 AM	84781						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP.fx	11:30:00 AM	84782						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP.fx	1:30:00 PM	84783						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURGBP.fx	3:30:00 PM	84784						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD	9:30:00 AM	84785						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD	11:30:00 AM	84786						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD	1:30:00 PM	84787						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD	3:30:00 PM	84788						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD.fx	9:30:00 AM	84789						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD.fx	11:30:00 AM	84790						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD.fx	1:30:00 PM	84791						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHKD.fx	3:30:00 PM	84792						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF	9:30:00 AM	84793						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF	11:30:00 AM	84794						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF	1:30:00 PM	84795						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF	3:30:00 PM	84796						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF.fx	9:30:00 AM	84797						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF.fx	11:30:00 AM	84798						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF.fx	1:30:00 PM	84799						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURHUF.fx	3:30:00 PM	84800						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY	9:30:00 AM	84801						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY	11:30:00 AM	84802						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY	1:30:00 PM	84803						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY	3:30:00 PM	84804						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY.fx	9:30:00 AM	84805						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY.fx	11:30:00 AM	84806						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURJPY.fx	1:30:00 PM	84807						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	EURJPY.fx	3:30:00 PM	84808						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN	9:30:00 AM	84809						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN	11:30:00 AM	84810						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN	1:30:00 PM	84811						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN	3:30:00 PM	84812						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN.fx	9:30:00 AM	84813						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN.fx	11:30:00 AM	84814						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN.fx	1:30:00 PM	84815						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURMXN.fx	3:30:00 PM	84816						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK	9:30:00 AM	84817						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK	11:30:00 AM	84818						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK	1:30:00 PM	84819						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK	3:30:00 PM	84820						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK.fx	9:30:00 AM	84821						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK.fx	11:30:00 AM	84822						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK.fx	1:30:00 PM	84823						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNOK.fx	3:30:00 PM	84824						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD	9:30:00 AM	84825						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD	11:30:00 AM	84826						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD	1:30:00 PM	84827						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD	3:30:00 PM	84828						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD.fx	9:30:00 AM	84829						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD.fx	11:30:00 AM	84830						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD.fx	1:30:00 PM	84831						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURNZD.fx	3:30:00 PM	84832						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN	9:30:00 AM	84833						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN	11:30:00 AM	84834						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN	1:30:00 PM	84835						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN	3:30:00 PM	84836						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN.fx	9:30:00 AM	84837						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN.fx	11:30:00 AM	84838						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN.fx	1:30:00 PM	84839						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURPLN.fx	3:30:00 PM	84840						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURRUB	9:30:00 AM	84841						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	EURRUB	11:30:00 AM	84842						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURRUB	1:30:00 PM	84843						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURRUB	3:30:00 PM	84844						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK	9:30:00 AM	84845						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK	11:30:00 AM	84846						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK	1:30:00 PM	84847						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK	3:30:00 PM	84848						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	EURSEK.fx	11:30:00 AM	84850						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK.fx	1:30:00 PM	84851						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSEK.fx	3:30:00 PM	84852						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD	9:30:00 AM	84853						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD	11:30:00 AM	84854						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD	1:30:00 PM	84855						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD	3:30:00 PM	84856						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD.fx	9:30:00 AM	84857						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD.fx	11:30:00 AM	84858						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD.fx	1:30:00 PM	84859						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURSGD.fx	3:30:00 PM	84860						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURUSD	9:30:00 AM	84861						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURUSD	11:30:00 AM	84862						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURUSD	1:30:00 PM	84863						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURUSD	3:30:00 PM	84864						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	EURUSD.fx	3:30:00 PM	84868						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR	9:30:00 AM	84869						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR	11:30:00 AM	84870						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR	1:30:00 PM	84871						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR	3:30:00 PM	84872						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR.fx	9:30:00 AM	84873						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR.fx	11:30:00 AM	84874						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	EURZAR.fx	1:30:00 PM	84875						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	EURZAR.fx	3:30:00 PM	84876						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	GBPAUD	11:30:00 AM	84878						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD	1:30:00 PM	84879						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD	3:30:00 PM	84880						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD.fx	9:30:00 AM	84881						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD.fx	11:30:00 AM	84882						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD.fx	1:30:00 PM	84883						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPAUD.fx	3:30:00 PM	84884						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD	9:30:00 AM	84885						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD	11:30:00 AM	84886						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD	1:30:00 PM	84887						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD	3:30:00 PM	84888						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD.fx	9:30:00 AM	84889						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD.fx	11:30:00 AM	84890						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD.fx	1:30:00 PM	84891						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCAD.fx	3:30:00 PM	84892						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF	9:30:00 AM	84893						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF	11:30:00 AM	84894						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF	1:30:00 PM	84895						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF	3:30:00 PM	84896						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF.fx	9:30:00 AM	84897						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF.fx	11:30:00 AM	84898						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF.fx	1:30:00 PM	84899						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCHF.fx	3:30:00 PM	84900						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCZK	9:30:00 AM	84901						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCZK	11:30:00 AM	84902						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCZK	1:30:00 PM	84903						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPCZK	3:30:00 PM	84904						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK	9:30:00 AM	84905						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK	11:30:00 AM	84906						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK	1:30:00 PM	84907						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK	3:30:00 PM	84908						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK.fx	9:30:00 AM	84909						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	GBPDKK.fx	11:30:00 AM	84910						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK.fx	1:30:00 PM	84911						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPDKK.fx	3:30:00 PM	84912						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHKD	9:30:00 AM	84913						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHKD	11:30:00 AM	84914						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHKD	1:30:00 PM	84915						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHKD	3:30:00 PM	84916						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHUF	9:30:00 AM	84917						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHUF	11:30:00 AM	84918						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHUF	1:30:00 PM	84919						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPHUF	3:30:00 PM	84920						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY	9:30:00 AM	84921						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY	11:30:00 AM	84922						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY	1:30:00 PM	84923						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY	3:30:00 PM	84924						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY.fx	9:30:00 AM	84925						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY.fx	11:30:00 AM	84926						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY.fx	1:30:00 PM	84927						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPJPY.fx	3:30:00 PM	84928						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPMXN	9:30:00 AM	84929						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPMXN	11:30:00 AM	84930						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	GBPMXN	3:30:00 PM	84932						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNOK	9:30:00 AM	84933						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNOK	11:30:00 AM	84934						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNOK	1:30:00 PM	84935						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNOK	3:30:00 PM	84936						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNOK.fx	9:30:00 AM	84937						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	GBPNOK.fx	3:30:00 PM	84940						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD	9:30:00 AM	84941						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD	11:30:00 AM	84942						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD	1:30:00 PM	84943						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	GBPNZD	3:30:00 PM	84944						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD.fx	9:30:00 AM	84945						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD.fx	11:30:00 AM	84946						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD.fx	1:30:00 PM	84947						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPNZD.fx	3:30:00 PM	84948						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN	9:30:00 AM	84949						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN	11:30:00 AM	84950						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN	1:30:00 PM	84951						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN	3:30:00 PM	84952						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN.fx	9:30:00 AM	84953						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN.fx	11:30:00 AM	84954						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN.fx	1:30:00 PM	84955						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPPLN.fx	3:30:00 PM	84956						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK	9:30:00 AM	84957						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK	11:30:00 AM	84958						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK	1:30:00 PM	84959						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK	3:30:00 PM	84960						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK.fx	9:30:00 AM	84961						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK.fx	11:30:00 AM	84962						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK.fx	1:30:00 PM	84963						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSEK.fx	3:30:00 PM	84964						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD	9:30:00 AM	84965						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD	11:30:00 AM	84966						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD	1:30:00 PM	84967						Continuous Quote	N/A	ELECTRONIC	N/A
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12/11/2019	GBPSGD.fx	9:30:00 AM	84969						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD.fx	11:30:00 AM	84970						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD.fx	1:30:00 PM	84971						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPSGD.fx	3:30:00 PM	84972						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD	9:30:00 AM	84973						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD	11:30:00 AM	84974						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD	1:30:00 PM	84975						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD	3:30:00 PM	84976						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD.fx	9:30:00 AM	84977						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	GBPUSD.fx	11:30:00 AM	84978						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD.fx	1:30:00 PM	84979						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPUSD.fx	3:30:00 PM	84980						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR	9:30:00 AM	84981						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR	11:30:00 AM	84982						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR	1:30:00 PM	84983						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR	3:30:00 PM	84984						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR.fx	9:30:00 AM	84985						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR.fx	11:30:00 AM	84986						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR.fx	1:30:00 PM	84987						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GBPZAR.fx	3:30:00 PM	84988						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GOLD	9:30:00 AM	84989						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GOLD	11:30:00 AM	84990						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GOLD	1:30:00 PM	84991						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	GOLD	3:30:00 PM	84992						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY	9:30:00 AM	84993						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY	11:30:00 AM	84994						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY	1:30:00 PM	84995						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY	3:30:00 PM	84996						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY.fx	9:30:00 AM	84997						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY.fx	11:30:00 AM	84998						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY.fx	1:30:00 PM	84999						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HKDJPY.fx	3:30:00 PM	85000						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HUFJPY	9:30:00 AM	85001						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HUFJPY	11:30:00 AM	85002						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HUFJPY	1:30:00 PM	85003						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	HUFJPY	3:30:00 PM	85004						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JP225.i	9:30:00 AM	85005						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JP225.i	11:30:00 AM	85006						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JP225.i	1:30:00 PM	85007						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JP225.i	3:30:00 PM	85008						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	MXNJPY	9:30:00 AM	85009						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	MXNJPY	11:30:00 AM	85010						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	MXNJPY	1:30:00 PM	85011						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	MXNJPY	3:30:00 PM	85012						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NASDAQ.i	9:30:00 AM	85013						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NASDAQ.i	11:30:00 AM	85014						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NASDAQ.i	1:30:00 PM	85015						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NASDAQ.i	3:30:00 PM	85016						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY	9:30:00 AM	85017						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY	11:30:00 AM	85018						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY	1:30:00 PM	85019						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY	3:30:00 PM	85020						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY.fx	9:30:00 AM	85021						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY.fx	11:30:00 AM	85022						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY.fx	1:30:00 PM	85023						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NOKJPY.fx	3:30:00 PM	85024						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD	9:30:00 AM	85025						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD	11:30:00 AM	85026						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD	1:30:00 PM	85027						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD	3:30:00 PM	85028						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD.fx	9:30:00 AM	85029						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD.fx	11:30:00 AM	85030						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD.fx	1:30:00 PM	85031						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCAD.fx	3:30:00 PM	85032						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF	9:30:00 AM	85033						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF	11:30:00 AM	85034						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF	1:30:00 PM	85035						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF	3:30:00 PM	85036						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF.fx	9:30:00 AM	85037						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF.fx	11:30:00 AM	85038						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF.fx	1:30:00 PM	85039						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCHF.fx	3:30:00 PM	85040						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCZK	9:30:00 AM	85041						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCZK	11:30:00 AM	85042						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCZK	1:30:00 PM	85043						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDCZK	3:30:00 PM	85044						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDDKK	9:30:00 AM	85045						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	NZDDKK	11:30:00 AM	85046						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDDKK	1:30:00 PM	85047						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDDKK	3:30:00 PM	85048						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHKD	9:30:00 AM	85049						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHKD	11:30:00 AM	85050						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHKD	1:30:00 PM	85051						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHKD	3:30:00 PM	85052						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHUF	9:30:00 AM	85053						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHUF	11:30:00 AM	85054						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHUF	1:30:00 PM	85055						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDHUF	3:30:00 PM	85056						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY	9:30:00 AM	85057						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY	11:30:00 AM	85058						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY	1:30:00 PM	85059						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY	3:30:00 PM	85060						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY.fx	9:30:00 AM	85061						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY.fx	11:30:00 AM	85062						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY.fx	1:30:00 PM	85063						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDJPY.fx	3:30:00 PM	85064						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDMXN	9:30:00 AM	85065						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDMXN	11:30:00 AM	85066						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDMXN	1:30:00 PM	85067						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDMXN	3:30:00 PM	85068						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDNOK	9:30:00 AM	85069						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDNOK	11:30:00 AM	85070						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDNOK	1:30:00 PM	85071						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDNOK	3:30:00 PM	85072						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDPLN	9:30:00 AM	85073						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDPLN	11:30:00 AM	85074						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDPLN	1:30:00 PM	85075						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDPLN	3:30:00 PM	85076						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSEK	9:30:00 AM	85077						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSEK	11:30:00 AM	85078						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSEK	1:30:00 PM	85079						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	NZDSEK	3:30:00 PM	85080						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD	9:30:00 AM	85081						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD	11:30:00 AM	85082						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD	1:30:00 PM	85083						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD	3:30:00 PM	85084						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD.fx	9:30:00 AM	85085						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD.fx	11:30:00 AM	85086						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD.fx	1:30:00 PM	85087						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDSGD.fx	3:30:00 PM	85088						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD	9:30:00 AM	85089						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD	11:30:00 AM	85090						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD	1:30:00 PM	85091						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD	3:30:00 PM	85092						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD.fx	9:30:00 AM	85093						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD.fx	11:30:00 AM	85094						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD.fx	1:30:00 PM	85095						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDUSD.fx	3:30:00 PM	85096						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDZAR	9:30:00 AM	85097						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDZAR	11:30:00 AM	85098						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDZAR	1:30:00 PM	85099						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	NZDZAR	3:30:00 PM	85100						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY	9:30:00 AM	85101						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY	11:30:00 AM	85102						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY	1:30:00 PM	85103						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY	3:30:00 PM	85104						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY.fx	9:30:00 AM	85105						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY.fx	11:30:00 AM	85106						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY.fx	1:30:00 PM	85107						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SEKJPY.fx	3:30:00 PM	85108						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SGDJPY	9:30:00 AM	85109						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SGDJPY	11:30:00 AM	85110						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SGDJPY	1:30:00 PM	85111						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SGDJPY	3:30:00 PM	85112						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SILVER	9:30:00 AM	85113						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	SILVER	11:30:00 AM	85114						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SILVER	1:30:00 PM	85115						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SILVER	3:30:00 PM	85116						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SPX500.i	9:30:00 AM	85117						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SPX500.i	11:30:00 AM	85118						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SPX500.i	1:30:00 PM	85119						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	SPX500.i	3:30:00 PM	85120						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	UK100.i	9:30:00 AM	85121						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	UK100.i	11:30:00 AM	85122						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	UK100.i	1:30:00 PM	85123						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	UK100.i	3:30:00 PM	85124						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD	9:30:00 AM	85125						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD	11:30:00 AM	85126						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD	1:30:00 PM	85127						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD	3:30:00 PM	85128						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD.fx	9:30:00 AM	85129						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD.fx	11:30:00 AM	85130						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD.fx	1:30:00 PM	85131						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCAD.fx	3:30:00 PM	85132						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF	9:30:00 AM	85133						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF	11:30:00 AM	85134						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF	1:30:00 PM	85135						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF	3:30:00 PM	85136						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF.fx	9:30:00 AM	85137						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF.fx	11:30:00 AM	85138						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF.fx	1:30:00 PM	85139						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCHF.fx	3:30:00 PM	85140						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK	9:30:00 AM	85141						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK	11:30:00 AM	85142						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK	1:30:00 PM	85143						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK	3:30:00 PM	85144						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK.fx	9:30:00 AM	85145						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK.fx	11:30:00 AM	85146						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDCZK.fx	1:30:00 PM	85147						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	USDCZK.fx	3:30:00 PM	85148						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK	9:30:00 AM	85149						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK	11:30:00 AM	85150						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK	1:30:00 PM	85151						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK	3:30:00 PM	85152						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK.fx	9:30:00 AM	85153						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK.fx	11:30:00 AM	85154						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK.fx	1:30:00 PM	85155						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDDKK.fx	3:30:00 PM	85156						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD	9:30:00 AM	85157						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD	11:30:00 AM	85158						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD	1:30:00 PM	85159						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD	3:30:00 PM	85160						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD.fx	9:30:00 AM	85161						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD.fx	11:30:00 AM	85162						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD.fx	1:30:00 PM	85163						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHKD.fx	3:30:00 PM	85164						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF	9:30:00 AM	85165						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF	11:30:00 AM	85166						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF	1:30:00 PM	85167						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF	3:30:00 PM	85168						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF.fx	9:30:00 AM	85169						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF.fx	11:30:00 AM	85170						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF.fx	1:30:00 PM	85171						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDHUF.fx	3:30:00 PM	85172						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDINR	9:30:00 AM	85173						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDINR	11:30:00 AM	85174						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDINR	1:30:00 PM	85175						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDINR	3:30:00 PM	85176						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY	9:30:00 AM	85177						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY	11:30:00 AM	85178						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY	1:30:00 PM	85179						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY	3:30:00 PM	85180						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY.fx	9:30:00 AM	85181						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	USDJPY.fx	11:30:00 AM	85182						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY.fx	1:30:00 PM	85183						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDJPY.fx	3:30:00 PM	85184						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDMXN	9:30:00 AM	85185						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDMXN	11:30:00 AM	85186						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDMXN	1:30:00 PM	85187						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDMXN	3:30:00 PM	85188						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JSDMXN.fx	9:30:00 AM	85189						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JSDMXN.fx	11:30:00 AM	85190						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JSDMXN.fx	1:30:00 PM	85191						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	JSDMXN.fx	3:30:00 PM	85192						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK	9:30:00 AM	85193						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK	11:30:00 AM	85194						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK	1:30:00 PM	85195						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK	3:30:00 PM	85196						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK.fx	9:30:00 AM	85197						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK.fx	11:30:00 AM	85198						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK.fx	1:30:00 PM	85199						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDNOK.fx	3:30:00 PM	85200						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN	9:30:00 AM	85201						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN	11:30:00 AM	85202						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN	1:30:00 PM	85203						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN	3:30:00 PM	85204						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN.fx	9:30:00 AM	85205						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN.fx	11:30:00 AM	85206						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN.fx	1:30:00 PM	85207						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDPLN.fx	3:30:00 PM	85208						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDRUB	9:30:00 AM	85209						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDRUB	11:30:00 AM	85210						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDRUB	1:30:00 PM	85211						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDRUB	3:30:00 PM	85212						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK	9:30:00 AM	85213						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK	11:30:00 AM	85214						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK	1:30:00 PM	85215						Continuous Quote	N/A	ELECTRONIC	N/A

12/11/2019	USDSEK	3:30:00 PM	85216						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK.fx	9:30:00 AM	85217						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK.fx	11:30:00 AM	85218						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK.fx	1:30:00 PM	85219						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSEK.fx	3:30:00 PM	85220						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD	9:30:00 AM	85221						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD	11:30:00 AM	85222						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD	1:30:00 PM	85223						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD	3:30:00 PM	85224						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD.fx	9:30:00 AM	85225						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD.fx	11:30:00 AM	85226						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD.fx	1:30:00 PM	85227						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDSGD.fx	3:30:00 PM	85228						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR	9:30:00 AM	85229						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR	11:30:00 AM	85230						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR	1:30:00 PM	85231						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR	3:30:00 PM	85232						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR.fx	9:30:00 AM	85233						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR.fx	11:30:00 AM	85234						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR.fx	1:30:00 PM	85235						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	USDZAR.fx	3:30:00 PM	85236						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	XAUUSD	9:30:00 AM	85237						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	XAUUSD	11:30:00 AM	85238						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	XAUUSD	1:30:00 PM	85239						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	XAUUSD	3:30:00 PM	85240						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY	9:30:00 AM	85241						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY	11:30:00 AM	85242						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY	1:30:00 PM	85243						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY	3:30:00 PM	85244						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY.fx	9:30:00 AM	85245						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY.fx	11:30:00 AM	85246						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY.fx	1:30:00 PM	85247						Continuous Quote	N/A	ELECTRONIC	N/A
12/11/2019	ZARJPY.fx	3:30:00 PM	85248						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AA	9:30:00 AM	85249						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	#AA	11:30:00 AM	85250						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AA	1:30:00 PM	85251						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AA	3:30:00 PM	85252						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AABA	9:30:00 AM	85253						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AABA	11:30:00 AM	85254						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AABA	1:30:00 PM	85255						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AABA	3:30:00 PM	85256						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAL	9:30:00 AM	85257						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAL	11:30:00 AM	85258						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAL	1:30:00 PM	85259						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAL	3:30:00 PM	85260						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAPL	9:30:00 AM	85261						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAPL	11:30:00 AM	85262						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAPL	1:30:00 PM	85263						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AAPL	3:30:00 PM	85264						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#ADBE	9:30:00 AM	85265						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#ADBE	11:30:00 AM	85266						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#ADBE	1:30:00 PM	85267						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#ADBE	3:30:00 PM	85268						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AIG	9:30:00 AM	85269						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AIG	11:30:00 AM	85270						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AIG	1:30:00 PM	85271						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AIG	3:30:00 PM	85272						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMD	9:30:00 AM	85273						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMD	11:30:00 AM	85274						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMD	1:30:00 PM	85275						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMD	3:30:00 PM	85276						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMZN	9:30:00 AM	85277						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMZN	11:30:00 AM	85278						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMZN	1:30:00 PM	85279						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AMZN	3:30:00 PM	85280						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AXP	9:30:00 AM	85281						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AXP	11:30:00 AM	85282						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#AXP	1:30:00 PM	85283						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	#AXP	3:30:00 PM	85284						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BA	9:30:00 AM	85285						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BA	11:30:00 AM	85286						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BA	1:30:00 PM	85287						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BA	3:30:00 PM	85288						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BABA	9:30:00 AM	85289						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BABA	11:30:00 AM	85290						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BABA	1:30:00 PM	85291						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BABA	3:30:00 PM	85292						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BAC	9:30:00 AM	85293						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BAC	11:30:00 AM	85294						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BAC	1:30:00 PM	85295						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BAC	3:30:00 PM	85296						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BARC	9:30:00 AM	85297						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BARC	11:30:00 AM	85298						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BARC	1:30:00 PM	85299						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BARC	3:30:00 PM	85300						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BHP	9:30:00 AM	85301						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BHP	11:30:00 AM	85302						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BHP	1:30:00 PM	85303						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BHP	3:30:00 PM	85304						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BIDU	9:30:00 AM	85305						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#BIDU	1:30:00 PM	85307						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BIDU	3:30:00 PM	85308						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#Bitcoin	9:30:00 AM	85309						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#Bitcoin	11:30:00 AM	85310						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#Bitcoin	1:30:00 PM	85311						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#Bitcoin	3:30:00 PM	85312						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BK	9:30:00 AM	85313						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BK	11:30:00 AM	85314						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BK	1:30:00 PM	85315						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BK	3:30:00 PM	85316						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BLT	9:30:00 AM	85317						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	#BLT	11:30:00 AM	85318						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BLT	1:30:00 PM	85319						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BLT	3:30:00 PM	85320						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BP	9:30:00 AM	85321						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BP	11:30:00 AM	85322						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#BTA	9:30:00 AM	85325						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BTA	11:30:00 AM	85326						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BTA	1:30:00 PM	85327						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#BTA	3:30:00 PM	85328						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#C	9:30:00 AM	85329						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#C	11:30:00 AM	85330						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#CAT	3:30:00 PM	85336						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CHL	9:30:00 AM	85337						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CHL	11:30:00 AM	85338						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CHL	1:30:00 PM	85339						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CHL	3:30:00 PM	85340						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CL.f	9:30:00 AM	85341						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#CL.f	3:30:00 PM	85344						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CMCSA	9:30:00 AM	85345						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CMCSA	11:30:00 AM	85346						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CMCSA	1:30:00 PM	85347						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CMCSA	3:30:00 PM	85348						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CSCO	9:30:00 AM	85349						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CSCO	11:30:00 AM	85350						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CSCO	1:30:00 PM	85351						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	#CSCO	3:30:00 PM	85352						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#CVX	11:30:00 AM	85354						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CVX	1:30:00 PM	85355						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#CVX	3:30:00 PM	85356						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	#DD	9:30:00 AM	85357						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#DWDP	9:30:00 AM	85365						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	#DWDP	1:30:00 PM	85367						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	AUDUSD	11:30:00 AM	85774						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDUSD	1:30:00 PM	85775						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDUSD	3:30:00 PM	85776						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	AUDUSD.fx	11:30:00 AM	85778						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	AUDUSD.fx	3:30:00 PM	85780						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDZAR	9:30:00 AM	85781						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDZAR	11:30:00 AM	85782						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDZAR	1:30:00 PM	85783						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUDZAR	3:30:00 PM	85784						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUS200.i	9:30:00 AM	85785						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUS200.i	11:30:00 AM	85786						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUS200.i	1:30:00 PM	85787						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	AUS200.i	3:30:00 PM	85788						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	BCHUSD	9:30:00 AM	85789						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	BCHUSD	11:30:00 AM	85790						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	BCHUSD	1:30:00 PM	85791						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	BCHUSD	3:30:00 PM	85792						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF	9:30:00 AM	85793						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	CADCHF	11:30:00 AM	85794						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF	1:30:00 PM	85795						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF	3:30:00 PM	85796						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF.fx	9:30:00 AM	85797						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF.fx	11:30:00 AM	85798						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF.fx	1:30:00 PM	85799						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCHF.fx	3:30:00 PM	85800						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADCZK	9:30:00 AM	85801						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADCZK	1:30:00 PM	85803						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADDDKK	9:30:00 AM	85805						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADDDKK	1:30:00 PM	85807						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADDDKK	3:30:00 PM	85808						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHKD	9:30:00 AM	85809						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHKD	11:30:00 AM	85810						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHKD	1:30:00 PM	85811						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHKD	3:30:00 PM	85812						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHUF	9:30:00 AM	85813						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHUF	11:30:00 AM	85814						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHUF	1:30:00 PM	85815						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADHUF	3:30:00 PM	85816						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY	9:30:00 AM	85817						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY	11:30:00 AM	85818						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY	1:30:00 PM	85819						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY	3:30:00 PM	85820						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY.fx	9:30:00 AM	85821						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY.fx	11:30:00 AM	85822						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY.fx	1:30:00 PM	85823						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADJPY.fx	3:30:00 PM	85824						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADMXN	9:30:00 AM	85825						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADMXN	11:30:00 AM	85826						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADMXN	1:30:00 PM	85827						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	CADMN	3:30:00 PM	85828						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADNOK	9:30:00 AM	85829						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADNOK	11:30:00 AM	85830						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADNOK	1:30:00 PM	85831						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADSGD	11:30:00 AM	85842						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CADSGD	1:30:00 PM	85843						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADZAR	11:30:00 AM	85846						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CADZAR	3:30:00 PM	85848						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFCZK	9:30:00 AM	85849						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFCZK	11:30:00 AM	85850						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFCZK	1:30:00 PM	85851						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFCZK	3:30:00 PM	85852						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK	9:30:00 AM	85853						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK	11:30:00 AM	85854						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK	1:30:00 PM	85855						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK	3:30:00 PM	85856						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK.fx	9:30:00 AM	85857						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK.fx	11:30:00 AM	85858						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK.fx	1:30:00 PM	85859						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFDKK.fx	3:30:00 PM	85860						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHKD	9:30:00 AM	85861						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	CHFHKD	11:30:00 AM	85862						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHKD	1:30:00 PM	85863						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHKD	3:30:00 PM	85864						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHUF	9:30:00 AM	85865						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHUF	11:30:00 AM	85866						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHUF	1:30:00 PM	85867						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFHUF	3:30:00 PM	85868						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY	9:30:00 AM	85869						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY	11:30:00 AM	85870						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY	1:30:00 PM	85871						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY	3:30:00 PM	85872						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY.fx	9:30:00 AM	85873						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY.fx	11:30:00 AM	85874						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY.fx	1:30:00 PM	85875						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFJPY.fx	3:30:00 PM	85876						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFMXN	9:30:00 AM	85877						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFMXN	11:30:00 AM	85878						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFMXN	1:30:00 PM	85879						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CHFNOK	3:30:00 PM	85884						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFNOK.fx	9:30:00 AM	85885						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFNOK.fx	11:30:00 AM	85886						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFNOK.fx	1:30:00 PM	85887						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFNOK.fx	3:30:00 PM	85888						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN	9:30:00 AM	85889						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN	11:30:00 AM	85890						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN	1:30:00 PM	85891						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN	3:30:00 PM	85892						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN.fx	9:30:00 AM	85893						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN.fx	11:30:00 AM	85894						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFPLN.fx	1:30:00 PM	85895						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	CHFPLN.fx	3:30:00 PM	85896						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSEK	9:30:00 AM	85897						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSEK	11:30:00 AM	85898						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSEK	1:30:00 PM	85899						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSEK	3:30:00 PM	85900						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD	9:30:00 AM	85901						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD	11:30:00 AM	85902						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD	1:30:00 PM	85903						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD	3:30:00 PM	85904						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	CHFSGD.fx	11:30:00 AM	85906						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD.fx	1:30:00 PM	85907						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFSGD.fx	3:30:00 PM	85908						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFZAR	9:30:00 AM	85909						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFZAR	11:30:00 AM	85910						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFZAR	1:30:00 PM	85911						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CHFZAR	3:30:00 PM	85912						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CZKJPY	9:30:00 AM	85913						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CZKJPY	11:30:00 AM	85914						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CZKJPY	1:30:00 PM	85915						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	CZKJPY	3:30:00 PM	85916						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DAX30.i	9:30:00 AM	85917						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DAX30.i	11:30:00 AM	85918						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DAX30.i	1:30:00 PM	85919						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DAX30.i	3:30:00 PM	85920						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DJ30.i	9:30:00 AM	85921						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DJ30.i	11:30:00 AM	85922						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DJ30.i	1:30:00 PM	85923						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DJ30.i	3:30:00 PM	85924						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DKKJPY	9:30:00 AM	85925						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DKKJPY	11:30:00 AM	85926						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DKKJPY	1:30:00 PM	85927						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	DKKJPY	3:30:00 PM	85928						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURAUD	9:30:00 AM	85929						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	EURAUD	11:30:00 AM	85930						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURAUD	1:30:00 PM	85931						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURAUD	3:30:00 PM	85932						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURAUD.fx	9:30:00 AM	85933						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURAUD.fx	11:30:00 AM	85934						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	EURCAD	9:30:00 AM	85937						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCAD	11:30:00 AM	85938						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	EURCAD	3:30:00 PM	85940						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCAD.fx	9:30:00 AM	85941						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCAD.fx	11:30:00 AM	85942						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCAD.fx	1:30:00 PM	85943						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCAD.fx	3:30:00 PM	85944						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF	9:30:00 AM	85945						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF	11:30:00 AM	85946						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF	1:30:00 PM	85947						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF	3:30:00 PM	85948						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF.fx	9:30:00 AM	85949						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF.fx	11:30:00 AM	85950						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF.fx	1:30:00 PM	85951						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCHF.fx	3:30:00 PM	85952						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCZK	9:30:00 AM	85953						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCZK	11:30:00 AM	85954						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURCZK	1:30:00 PM	85955						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	EURDKK	9:30:00 AM	85957						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURDKK	11:30:00 AM	85958						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURDKK	1:30:00 PM	85959						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURDKK	3:30:00 PM	85960						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURGBP	9:30:00 AM	85961						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURGBP	11:30:00 AM	85962						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURGBP	1:30:00 PM	85963						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	EURGBP	3:30:00 PM	85964						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURGBP.fx	9:30:00 AM	85965						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	EURGBP.fx	3:30:00 PM	85968						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD	9:30:00 AM	85969						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD	11:30:00 AM	85970						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD	1:30:00 PM	85971						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD	3:30:00 PM	85972						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD.fx	9:30:00 AM	85973						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD.fx	11:30:00 AM	85974						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD.fx	1:30:00 PM	85975						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHKD.fx	3:30:00 PM	85976						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF	9:30:00 AM	85977						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF	11:30:00 AM	85978						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF	1:30:00 PM	85979						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF	3:30:00 PM	85980						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF.fx	9:30:00 AM	85981						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF.fx	11:30:00 AM	85982						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF.fx	1:30:00 PM	85983						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURHUF.fx	3:30:00 PM	85984						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY	9:30:00 AM	85985						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY	11:30:00 AM	85986						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY	1:30:00 PM	85987						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY	3:30:00 PM	85988						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY.fx	9:30:00 AM	85989						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY.fx	11:30:00 AM	85990						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY.fx	1:30:00 PM	85991						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURJPY.fx	3:30:00 PM	85992						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN	9:30:00 AM	85993						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN	11:30:00 AM	85994						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN	1:30:00 PM	85995						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN	3:30:00 PM	85996						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN.fx	9:30:00 AM	85997						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	EURMXN.fx	11:30:00 AM	85998						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN.fx	1:30:00 PM	85999						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURMXN.fx	3:30:00 PM	86000						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK	9:30:00 AM	86001						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK	11:30:00 AM	86002						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK	1:30:00 PM	86003						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK	3:30:00 PM	86004						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK.fx	9:30:00 AM	86005						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK.fx	11:30:00 AM	86006						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK.fx	1:30:00 PM	86007						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNOK.fx	3:30:00 PM	86008						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD	9:30:00 AM	86009						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD	11:30:00 AM	86010						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD	1:30:00 PM	86011						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD	3:30:00 PM	86012						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD.fx	9:30:00 AM	86013						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD.fx	11:30:00 AM	86014						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD.fx	1:30:00 PM	86015						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURNZD.fx	3:30:00 PM	86016						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN	9:30:00 AM	86017						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN	11:30:00 AM	86018						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN	1:30:00 PM	86019						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN	3:30:00 PM	86020						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN.fx	9:30:00 AM	86021						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN.fx	11:30:00 AM	86022						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN.fx	1:30:00 PM	86023						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURPLN.fx	3:30:00 PM	86024						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURRUB	9:30:00 AM	86025						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURRUB	11:30:00 AM	86026						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURRUB	1:30:00 PM	86027						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURRUB	3:30:00 PM	86028						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK	9:30:00 AM	86029						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK	11:30:00 AM	86030						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK	1:30:00 PM	86031						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	EURSEK	3:30:00 PM	86032						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK.fx	9:30:00 AM	86033						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK.fx	11:30:00 AM	86034						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK.fx	1:30:00 PM	86035						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSEK.fx	3:30:00 PM	86036						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD	9:30:00 AM	86037						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD	11:30:00 AM	86038						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD	1:30:00 PM	86039						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD	3:30:00 PM	86040						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD.fx	9:30:00 AM	86041						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD.fx	11:30:00 AM	86042						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD.fx	1:30:00 PM	86043						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURSGD.fx	3:30:00 PM	86044						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD	9:30:00 AM	86045						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD	11:30:00 AM	86046						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD	1:30:00 PM	86047						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD	3:30:00 PM	86048						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD.fx	9:30:00 AM	86049						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD.fx	11:30:00 AM	86050						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD.fx	1:30:00 PM	86051						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURUSD.fx	3:30:00 PM	86052						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR	9:30:00 AM	86053						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR	11:30:00 AM	86054						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR	1:30:00 PM	86055						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR	3:30:00 PM	86056						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR.fx	9:30:00 AM	86057						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR.fx	11:30:00 AM	86058						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR.fx	1:30:00 PM	86059						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	EURZAR.fx	3:30:00 PM	86060						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD	9:30:00 AM	86061						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD	11:30:00 AM	86062						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD	1:30:00 PM	86063						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD	3:30:00 PM	86064						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD.fx	9:30:00 AM	86065						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	GBPAUD.fx	11:30:00 AM	86066						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD.fx	1:30:00 PM	86067						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPAUD.fx	3:30:00 PM	86068						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD	9:30:00 AM	86069						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD	11:30:00 AM	86070						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD	1:30:00 PM	86071						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD	3:30:00 PM	86072						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD.fx	9:30:00 AM	86073						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD.fx	11:30:00 AM	86074						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD.fx	1:30:00 PM	86075						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCAD.fx	3:30:00 PM	86076						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF	9:30:00 AM	86077						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF	11:30:00 AM	86078						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF	1:30:00 PM	86079						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF	3:30:00 PM	86080						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF.fx	9:30:00 AM	86081						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF.fx	11:30:00 AM	86082						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF.fx	1:30:00 PM	86083						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCHF.fx	3:30:00 PM	86084						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCZK	9:30:00 AM	86085						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCZK	11:30:00 AM	86086						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCZK	1:30:00 PM	86087						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPCZK	3:30:00 PM	86088						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK	9:30:00 AM	86089						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK	11:30:00 AM	86090						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK	1:30:00 PM	86091						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK	3:30:00 PM	86092						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK.fx	9:30:00 AM	86093						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK.fx	11:30:00 AM	86094						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK.fx	1:30:00 PM	86095						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPDKK.fx	3:30:00 PM	86096						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHKD	9:30:00 AM	86097						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHKD	11:30:00 AM	86098						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHKD	1:30:00 PM	86099						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	GBPHKD	3:30:00 PM	86100						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHUF	9:30:00 AM	86101						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHUF	11:30:00 AM	86102						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHUF	1:30:00 PM	86103						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPHUF	3:30:00 PM	86104						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY	9:30:00 AM	86105						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY	11:30:00 AM	86106						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY	1:30:00 PM	86107						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY	3:30:00 PM	86108						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY.fx	9:30:00 AM	86109						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY.fx	11:30:00 AM	86110						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY.fx	1:30:00 PM	86111						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPJPY.fx	3:30:00 PM	86112						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPMXN	9:30:00 AM	86113						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPMXN	11:30:00 AM	86114						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPMXN	1:30:00 PM	86115						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPMXN	3:30:00 PM	86116						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK	9:30:00 AM	86117						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK	11:30:00 AM	86118						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK	1:30:00 PM	86119						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK	3:30:00 PM	86120						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK.fx	9:30:00 AM	86121						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK.fx	11:30:00 AM	86122						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK.fx	1:30:00 PM	86123						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNOK.fx	3:30:00 PM	86124						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD	9:30:00 AM	86125						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD	11:30:00 AM	86126						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD	1:30:00 PM	86127						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD	3:30:00 PM	86128						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD.fx	9:30:00 AM	86129						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD.fx	11:30:00 AM	86130						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD.fx	1:30:00 PM	86131						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPNZD.fx	3:30:00 PM	86132						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN	9:30:00 AM	86133						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	GBPPLN	11:30:00 AM	86134						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN	1:30:00 PM	86135						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN	3:30:00 PM	86136						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN.fx	9:30:00 AM	86137						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN.fx	11:30:00 AM	86138						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN.fx	1:30:00 PM	86139						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPPLN.fx	3:30:00 PM	86140						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK	9:30:00 AM	86141						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK	11:30:00 AM	86142						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK	1:30:00 PM	86143						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK	3:30:00 PM	86144						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK.fx	9:30:00 AM	86145						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK.fx	11:30:00 AM	86146						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK.fx	1:30:00 PM	86147						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSEK.fx	3:30:00 PM	86148						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD	9:30:00 AM	86149						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD	11:30:00 AM	86150						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD	1:30:00 PM	86151						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD	3:30:00 PM	86152						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD.fx	9:30:00 AM	86153						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD.fx	11:30:00 AM	86154						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD.fx	1:30:00 PM	86155						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPSGD.fx	3:30:00 PM	86156						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD	9:30:00 AM	86157						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD	11:30:00 AM	86158						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD	1:30:00 PM	86159						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD	3:30:00 PM	86160						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD.fx	9:30:00 AM	86161						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD.fx	11:30:00 AM	86162						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD.fx	1:30:00 PM	86163						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPUSD.fx	3:30:00 PM	86164						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR	9:30:00 AM	86165						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR	11:30:00 AM	86166						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR	1:30:00 PM	86167						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	GBPZAR	3:30:00 PM	86168						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR.fx	9:30:00 AM	86169						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR.fx	11:30:00 AM	86170						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR.fx	1:30:00 PM	86171						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GBPZAR.fx	3:30:00 PM	86172						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GOLD	9:30:00 AM	86173						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GOLD	11:30:00 AM	86174						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GOLD	1:30:00 PM	86175						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	GOLD	3:30:00 PM	86176						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY	9:30:00 AM	86177						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY	11:30:00 AM	86178						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY	1:30:00 PM	86179						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY	3:30:00 PM	86180						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY.fx	9:30:00 AM	86181						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY.fx	11:30:00 AM	86182						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY.fx	1:30:00 PM	86183						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HKDJPY.fx	3:30:00 PM	86184						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HUFJPY	9:30:00 AM	86185						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HUFJPY	11:30:00 AM	86186						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HUFJPY	1:30:00 PM	86187						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	HUFJPY	3:30:00 PM	86188						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	JP225.i	9:30:00 AM	86189						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	JP225.i	11:30:00 AM	86190						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	JP225.i	1:30:00 PM	86191						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	JP225.i	3:30:00 PM	86192						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	MXNJPY	9:30:00 AM	86193						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	MXNJPY	11:30:00 AM	86194						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	MXNJPY	1:30:00 PM	86195						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	MXNJPY	3:30:00 PM	86196						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NASDAQ.i	9:30:00 AM	86197						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NASDAQ.i	11:30:00 AM	86198						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NASDAQ.i	1:30:00 PM	86199						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NASDAQ.i	3:30:00 PM	86200						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY	9:30:00 AM	86201						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	NOKJPY	11:30:00 AM	86202						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY	1:30:00 PM	86203						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY	3:30:00 PM	86204						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY.fx	9:30:00 AM	86205						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY.fx	11:30:00 AM	86206						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY.fx	1:30:00 PM	86207						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NOKJPY.fx	3:30:00 PM	86208						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD	9:30:00 AM	86209						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD	11:30:00 AM	86210						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD	1:30:00 PM	86211						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD	3:30:00 PM	86212						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD.fx	9:30:00 AM	86213						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD.fx	11:30:00 AM	86214						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD.fx	1:30:00 PM	86215						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCAD.fx	3:30:00 PM	86216						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF	9:30:00 AM	86217						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF	11:30:00 AM	86218						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF	1:30:00 PM	86219						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF	3:30:00 PM	86220						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF.fx	9:30:00 AM	86221						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF.fx	11:30:00 AM	86222						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF.fx	1:30:00 PM	86223						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCHF.fx	3:30:00 PM	86224						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCZK	9:30:00 AM	86225						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCZK	11:30:00 AM	86226						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCZK	1:30:00 PM	86227						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDCZK	3:30:00 PM	86228						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDDKK	9:30:00 AM	86229						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDDKK	11:30:00 AM	86230						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDDKK	1:30:00 PM	86231						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDDKK	3:30:00 PM	86232						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHKD	9:30:00 AM	86233						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHKD	11:30:00 AM	86234						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHKD	1:30:00 PM	86235						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	NZDHKD	3:30:00 PM	86236						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHUF	9:30:00 AM	86237						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHUF	11:30:00 AM	86238						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHUF	1:30:00 PM	86239						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDHUF	3:30:00 PM	86240						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY	9:30:00 AM	86241						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY	11:30:00 AM	86242						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY	1:30:00 PM	86243						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY	3:30:00 PM	86244						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY.fx	9:30:00 AM	86245						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY.fx	11:30:00 AM	86246						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY.fx	1:30:00 PM	86247						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDJPY.fx	3:30:00 PM	86248						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDMXN	9:30:00 AM	86249						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDMXN	11:30:00 AM	86250						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDMXN	1:30:00 PM	86251						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDMXN	3:30:00 PM	86252						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDNOK	9:30:00 AM	86253						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDNOK	11:30:00 AM	86254						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDNOK	1:30:00 PM	86255						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDNOK	3:30:00 PM	86256						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDPLN	9:30:00 AM	86257						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDPLN	11:30:00 AM	86258						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDPLN	1:30:00 PM	86259						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDPLN	3:30:00 PM	86260						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSEK	9:30:00 AM	86261						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSEK	11:30:00 AM	86262						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSEK	1:30:00 PM	86263						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSEK	3:30:00 PM	86264						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD	9:30:00 AM	86265						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD	11:30:00 AM	86266						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD	1:30:00 PM	86267						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD	3:30:00 PM	86268						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD.fx	9:30:00 AM	86269						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	NZDSGD.fx	11:30:00 AM	86270						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD.fx	1:30:00 PM	86271						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDSGD.fx	3:30:00 PM	86272						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD	9:30:00 AM	86273						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD	11:30:00 AM	86274						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD	1:30:00 PM	86275						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD	3:30:00 PM	86276						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD.fx	9:30:00 AM	86277						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD.fx	11:30:00 AM	86278						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD.fx	1:30:00 PM	86279						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDUSD.fx	3:30:00 PM	86280						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDZAR	9:30:00 AM	86281						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDZAR	11:30:00 AM	86282						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDZAR	1:30:00 PM	86283						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	NZDZAR	3:30:00 PM	86284						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY	9:30:00 AM	86285						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY	11:30:00 AM	86286						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY	1:30:00 PM	86287						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY	3:30:00 PM	86288						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY.fx	9:30:00 AM	86289						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY.fx	11:30:00 AM	86290						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY.fx	1:30:00 PM	86291						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SEKJPY.fx	3:30:00 PM	86292						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SGDJPY	9:30:00 AM	86293						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SGDJPY	11:30:00 AM	86294						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SGDJPY	1:30:00 PM	86295						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SGDJPY	3:30:00 PM	86296						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SILVER	9:30:00 AM	86297						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SILVER	11:30:00 AM	86298						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SILVER	1:30:00 PM	86299						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SILVER	3:30:00 PM	86300						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SPX500.i	9:30:00 AM	86301						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SPX500.i	11:30:00 AM	86302						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	SPX500.i	1:30:00 PM	86303						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	SPX500.i	3:30:00 PM	86304						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	UK100.i	9:30:00 AM	86305						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	UK100.i	11:30:00 AM	86306						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	UK100.i	1:30:00 PM	86307						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	UK100.i	3:30:00 PM	86308						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD	9:30:00 AM	86309						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD	11:30:00 AM	86310						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD	1:30:00 PM	86311						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD	3:30:00 PM	86312						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD.fx	9:30:00 AM	86313						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD.fx	11:30:00 AM	86314						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD.fx	1:30:00 PM	86315						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCAD.fx	3:30:00 PM	86316						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF	9:30:00 AM	86317						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF	11:30:00 AM	86318						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF	1:30:00 PM	86319						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF	3:30:00 PM	86320						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF.fx	9:30:00 AM	86321						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF.fx	11:30:00 AM	86322						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF.fx	1:30:00 PM	86323						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCHF.fx	3:30:00 PM	86324						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK	9:30:00 AM	86325						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK	11:30:00 AM	86326						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK	1:30:00 PM	86327						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK	3:30:00 PM	86328						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK.fx	9:30:00 AM	86329						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK.fx	11:30:00 AM	86330						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK.fx	1:30:00 PM	86331						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDCZK.fx	3:30:00 PM	86332						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK	9:30:00 AM	86333						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK	11:30:00 AM	86334						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK	1:30:00 PM	86335						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK	3:30:00 PM	86336						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK.fx	9:30:00 AM	86337						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	USDDKK.fx	11:30:00 AM	86338						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK.fx	1:30:00 PM	86339						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDDKK.fx	3:30:00 PM	86340						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD	9:30:00 AM	86341						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD	11:30:00 AM	86342						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD	1:30:00 PM	86343						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD	3:30:00 PM	86344						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD.fx	9:30:00 AM	86345						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD.fx	11:30:00 AM	86346						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD.fx	1:30:00 PM	86347						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHKD.fx	3:30:00 PM	86348						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF	9:30:00 AM	86349						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF	11:30:00 AM	86350						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF	1:30:00 PM	86351						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF	3:30:00 PM	86352						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF.fx	9:30:00 AM	86353						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF.fx	11:30:00 AM	86354						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF.fx	1:30:00 PM	86355						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDHUF.fx	3:30:00 PM	86356						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDINR	9:30:00 AM	86357						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDINR	11:30:00 AM	86358						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDINR	1:30:00 PM	86359						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDINR	3:30:00 PM	86360						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDJPY	9:30:00 AM	86361						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDJPY	11:30:00 AM	86362						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDJPY	1:30:00 PM	86363						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDJPY	3:30:00 PM	86364						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDJPY.fx	3:30:00 PM	86368						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDMXN	11:30:00 AM	86370						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDMXN	1:30:00 PM	86371						Continuous Quote	N/A	ELECTRONIC	N/A

12/12/2019	USDMXN	3:30:00 PM	86372						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDMXN.fx	1:30:00 PM	86375						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDMXN.fx	3:30:00 PM	86376						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDNOK	11:30:00 AM	86378						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDNOK	1:30:00 PM	86379						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDNOK	3:30:00 PM	86380						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDNOK.fx	11:30:00 AM	86382						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDNOK.fx	1:30:00 PM	86383						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDNOK.fx	3:30:00 PM	86384						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDRUB	1:30:00 PM	86395						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	USDSEK.fx	3:30:00 PM	86404						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	USDSGD	9:30:00 AM	86405						Continuous Quote	N/A	ELECTRONIC	N/A

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12/12/2019	USDSGD.fx	1:30:00 PM	86411						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	ZARJPY	9:30:00 AM	86425						Continuous Quote	N/A	ELECTRONIC	N/A
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12/12/2019	ZARJPY	1:30:00 PM	86427						Continuous Quote	N/A	ELECTRONIC	N/A
12/12/2019	ZARJPY	3:30:00 PM	86428						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#AABA	9:30:00 AM	86437						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#SNE	3:30:00 PM	86792						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#TRV	3:30:00 PM	86812						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#V	1:30:00 PM	86843						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#WDC	1:30:00 PM	86855						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	#WFC	9:30:00 AM	86857						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	AUDSGD.fx	11:30:00 AM	86954						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDSGD.fx	1:30:00 PM	86955						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDSGD.fx	3:30:00 PM	86956						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD	9:30:00 AM	86957						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD	11:30:00 AM	86958						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD	1:30:00 PM	86959						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD	3:30:00 PM	86960						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD.fx	9:30:00 AM	86961						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD.fx	11:30:00 AM	86962						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD.fx	1:30:00 PM	86963						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDUSD.fx	3:30:00 PM	86964						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDZAR	9:30:00 AM	86965						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDZAR	11:30:00 AM	86966						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDZAR	1:30:00 PM	86967						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUDZAR	3:30:00 PM	86968						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUS200.i	9:30:00 AM	86969						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUS200.i	11:30:00 AM	86970						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUS200.i	1:30:00 PM	86971						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	AUS200.i	3:30:00 PM	86972						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	BCHUSD	9:30:00 AM	86973						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	BCHUSD	11:30:00 AM	86974						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	BCHUSD	1:30:00 PM	86975						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	BCHUSD	3:30:00 PM	86976						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF	9:30:00 AM	86977						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF	11:30:00 AM	86978						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF	1:30:00 PM	86979						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF	3:30:00 PM	86980						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF.fx	9:30:00 AM	86981						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF.fx	11:30:00 AM	86982						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCHF.fx	1:30:00 PM	86983						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	CADCHF.fx	3:30:00 PM	86984						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCZK	9:30:00 AM	86985						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCZK	11:30:00 AM	86986						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCZK	1:30:00 PM	86987						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADCZK	3:30:00 PM	86988						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADDDK	9:30:00 AM	86989						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADDDK	11:30:00 AM	86990						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADDDK	1:30:00 PM	86991						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADDDK	3:30:00 PM	86992						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHKD	9:30:00 AM	86993						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHKD	11:30:00 AM	86994						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHKD	1:30:00 PM	86995						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHKD	3:30:00 PM	86996						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHUF	9:30:00 AM	86997						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHUF	11:30:00 AM	86998						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHUF	1:30:00 PM	86999						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADHUF	3:30:00 PM	87000						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY	9:30:00 AM	87001						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY	11:30:00 AM	87002						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY	1:30:00 PM	87003						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY	3:30:00 PM	87004						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY.fx	9:30:00 AM	87005						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY.fx	11:30:00 AM	87006						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY.fx	1:30:00 PM	87007						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADJPY.fx	3:30:00 PM	87008						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADMXN	9:30:00 AM	87009						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADMXN	11:30:00 AM	87010						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADMXN	1:30:00 PM	87011						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADMXN	3:30:00 PM	87012						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADNOK	9:30:00 AM	87013						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADNOK	11:30:00 AM	87014						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADNOK	1:30:00 PM	87015						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADNOK	3:30:00 PM	87016						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADPLN	9:30:00 AM	87017						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	CADPLN	11:30:00 AM	87018						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADPLN	1:30:00 PM	87019						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADPLN	3:30:00 PM	87020						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSEK	9:30:00 AM	87021						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSEK	11:30:00 AM	87022						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSEK	1:30:00 PM	87023						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSEK	3:30:00 PM	87024						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSGD	9:30:00 AM	87025						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSGD	11:30:00 AM	87026						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSGD	1:30:00 PM	87027						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADSGD	3:30:00 PM	87028						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADZAR	9:30:00 AM	87029						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADZAR	11:30:00 AM	87030						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADZAR	1:30:00 PM	87031						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CADZAR	3:30:00 PM	87032						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFCZK	9:30:00 AM	87033						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFCZK	11:30:00 AM	87034						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFCZK	1:30:00 PM	87035						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFCZK	3:30:00 PM	87036						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK	9:30:00 AM	87037						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK	11:30:00 AM	87038						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK	1:30:00 PM	87039						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK	3:30:00 PM	87040						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK.fx	9:30:00 AM	87041						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK.fx	11:30:00 AM	87042						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK.fx	1:30:00 PM	87043						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFDKK.fx	3:30:00 PM	87044						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHKD	9:30:00 AM	87045						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHKD	11:30:00 AM	87046						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHKD	1:30:00 PM	87047						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHKD	3:30:00 PM	87048						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHUF	9:30:00 AM	87049						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHUF	11:30:00 AM	87050						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFHUF	1:30:00 PM	87051						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	CHFHFUF	3:30:00 PM	87052						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY	9:30:00 AM	87053						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY	11:30:00 AM	87054						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY	1:30:00 PM	87055						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY	3:30:00 PM	87056						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY.fx	9:30:00 AM	87057						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY.fx	11:30:00 AM	87058						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY.fx	1:30:00 PM	87059						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFJPY.fx	3:30:00 PM	87060						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFMXN	9:30:00 AM	87061						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFMXN	11:30:00 AM	87062						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFMXN	1:30:00 PM	87063						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFMXN	3:30:00 PM	87064						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK	9:30:00 AM	87065						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK	11:30:00 AM	87066						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK	1:30:00 PM	87067						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK	3:30:00 PM	87068						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK.fx	9:30:00 AM	87069						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK.fx	11:30:00 AM	87070						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK.fx	1:30:00 PM	87071						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFNOK.fx	3:30:00 PM	87072						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN	9:30:00 AM	87073						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN	11:30:00 AM	87074						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN	1:30:00 PM	87075						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN	3:30:00 PM	87076						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN.fx	9:30:00 AM	87077						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN.fx	11:30:00 AM	87078						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN.fx	1:30:00 PM	87079						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFPLN.fx	3:30:00 PM	87080						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSEK	9:30:00 AM	87081						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSEK	11:30:00 AM	87082						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSEK	1:30:00 PM	87083						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSEK	3:30:00 PM	87084						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD	9:30:00 AM	87085						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	CHFSGD	11:30:00 AM	87086						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD	1:30:00 PM	87087						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD	3:30:00 PM	87088						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD.fx	9:30:00 AM	87089						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD.fx	11:30:00 AM	87090						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD.fx	1:30:00 PM	87091						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFSGD.fx	3:30:00 PM	87092						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFZAR	9:30:00 AM	87093						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFZAR	11:30:00 AM	87094						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFZAR	1:30:00 PM	87095						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CHFZAR	3:30:00 PM	87096						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CZKJPY	9:30:00 AM	87097						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CZKJPY	11:30:00 AM	87098						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CZKJPY	1:30:00 PM	87099						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	CZKJPY	3:30:00 PM	87100						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DAX30.i	9:30:00 AM	87101						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DAX30.i	11:30:00 AM	87102						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DAX30.i	1:30:00 PM	87103						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DAX30.i	3:30:00 PM	87104						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DJ30.i	9:30:00 AM	87105						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DJ30.i	11:30:00 AM	87106						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DJ30.i	1:30:00 PM	87107						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DJ30.i	3:30:00 PM	87108						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DKKJPY	9:30:00 AM	87109						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DKKJPY	11:30:00 AM	87110						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DKKJPY	1:30:00 PM	87111						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	DKKJPY	3:30:00 PM	87112						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD	9:30:00 AM	87113						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD	11:30:00 AM	87114						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD	1:30:00 PM	87115						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD	3:30:00 PM	87116						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD.fx	9:30:00 AM	87117						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD.fx	11:30:00 AM	87118						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURAUD.fx	1:30:00 PM	87119						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	EURAUD.fx	3:30:00 PM	87120						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD	9:30:00 AM	87121						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD	11:30:00 AM	87122						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD	1:30:00 PM	87123						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD	3:30:00 PM	87124						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD.fx	9:30:00 AM	87125						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD.fx	11:30:00 AM	87126						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD.fx	1:30:00 PM	87127						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCAD.fx	3:30:00 PM	87128						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF	9:30:00 AM	87129						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF	11:30:00 AM	87130						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF	1:30:00 PM	87131						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF	3:30:00 PM	87132						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF.fx	9:30:00 AM	87133						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF.fx	11:30:00 AM	87134						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF.fx	1:30:00 PM	87135						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCHF.fx	3:30:00 PM	87136						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCZK	9:30:00 AM	87137						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCZK	11:30:00 AM	87138						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCZK	1:30:00 PM	87139						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURCZK	3:30:00 PM	87140						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURDKK	9:30:00 AM	87141						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURDKK	11:30:00 AM	87142						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURDKK	1:30:00 PM	87143						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURDKK	3:30:00 PM	87144						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP	9:30:00 AM	87145						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP	11:30:00 AM	87146						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP	1:30:00 PM	87147						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP	3:30:00 PM	87148						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP.fx	9:30:00 AM	87149						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP.fx	11:30:00 AM	87150						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP.fx	1:30:00 PM	87151						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURGBP.fx	3:30:00 PM	87152						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD	9:30:00 AM	87153						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	EURHKD	11:30:00 AM	87154						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD	1:30:00 PM	87155						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD	3:30:00 PM	87156						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD.fx	9:30:00 AM	87157						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD.fx	11:30:00 AM	87158						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD.fx	1:30:00 PM	87159						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHKD.fx	3:30:00 PM	87160						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF	9:30:00 AM	87161						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF	11:30:00 AM	87162						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF	1:30:00 PM	87163						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF	3:30:00 PM	87164						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF.fx	9:30:00 AM	87165						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF.fx	11:30:00 AM	87166						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF.fx	1:30:00 PM	87167						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURHUF.fx	3:30:00 PM	87168						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY	9:30:00 AM	87169						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY	11:30:00 AM	87170						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY	1:30:00 PM	87171						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY	3:30:00 PM	87172						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY.fx	9:30:00 AM	87173						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY.fx	11:30:00 AM	87174						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY.fx	1:30:00 PM	87175						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURJPY.fx	3:30:00 PM	87176						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN	9:30:00 AM	87177						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN	11:30:00 AM	87178						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN	1:30:00 PM	87179						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN	3:30:00 PM	87180						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN.fx	9:30:00 AM	87181						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN.fx	11:30:00 AM	87182						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN.fx	1:30:00 PM	87183						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURMXN.fx	3:30:00 PM	87184						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK	9:30:00 AM	87185						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK	11:30:00 AM	87186						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK	1:30:00 PM	87187						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	EURNOK	3:30:00 PM	87188						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK.fx	9:30:00 AM	87189						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK.fx	11:30:00 AM	87190						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK.fx	1:30:00 PM	87191						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNOK.fx	3:30:00 PM	87192						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD	9:30:00 AM	87193						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD	11:30:00 AM	87194						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD	1:30:00 PM	87195						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD	3:30:00 PM	87196						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD.fx	9:30:00 AM	87197						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD.fx	11:30:00 AM	87198						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD.fx	1:30:00 PM	87199						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURNZD.fx	3:30:00 PM	87200						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN	9:30:00 AM	87201						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN	11:30:00 AM	87202						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN	1:30:00 PM	87203						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN	3:30:00 PM	87204						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN.fx	9:30:00 AM	87205						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN.fx	11:30:00 AM	87206						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN.fx	1:30:00 PM	87207						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURPLN.fx	3:30:00 PM	87208						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURRUB	9:30:00 AM	87209						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURRUB	11:30:00 AM	87210						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURRUB	1:30:00 PM	87211						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURRUB	3:30:00 PM	87212						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK	9:30:00 AM	87213						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK	11:30:00 AM	87214						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK	1:30:00 PM	87215						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK	3:30:00 PM	87216						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK.fx	9:30:00 AM	87217						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK.fx	11:30:00 AM	87218						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK.fx	1:30:00 PM	87219						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSEK.fx	3:30:00 PM	87220						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD	9:30:00 AM	87221						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	EURSGD	11:30:00 AM	87222						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD	1:30:00 PM	87223						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD	3:30:00 PM	87224						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD.fx	9:30:00 AM	87225						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD.fx	11:30:00 AM	87226						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD.fx	1:30:00 PM	87227						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURSGD.fx	3:30:00 PM	87228						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD	9:30:00 AM	87229						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD	11:30:00 AM	87230						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD	1:30:00 PM	87231						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD	3:30:00 PM	87232						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD.fx	9:30:00 AM	87233						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD.fx	11:30:00 AM	87234						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD.fx	1:30:00 PM	87235						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURUSD.fx	3:30:00 PM	87236						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR	9:30:00 AM	87237						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR	11:30:00 AM	87238						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR	1:30:00 PM	87239						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR	3:30:00 PM	87240						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR.fx	9:30:00 AM	87241						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR.fx	11:30:00 AM	87242						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR.fx	1:30:00 PM	87243						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	EURZAR.fx	3:30:00 PM	87244						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD	9:30:00 AM	87245						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD	11:30:00 AM	87246						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD	1:30:00 PM	87247						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD	3:30:00 PM	87248						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD.fx	9:30:00 AM	87249						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD.fx	11:30:00 AM	87250						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD.fx	1:30:00 PM	87251						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPAUD.fx	3:30:00 PM	87252						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD	9:30:00 AM	87253						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD	11:30:00 AM	87254						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD	1:30:00 PM	87255						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	GBPCAD	3:30:00 PM	87256						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD.fx	9:30:00 AM	87257						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD.fx	11:30:00 AM	87258						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD.fx	1:30:00 PM	87259						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCAD.fx	3:30:00 PM	87260						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF	9:30:00 AM	87261						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF	11:30:00 AM	87262						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF	1:30:00 PM	87263						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF	3:30:00 PM	87264						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF.fx	9:30:00 AM	87265						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF.fx	11:30:00 AM	87266						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF.fx	1:30:00 PM	87267						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCHF.fx	3:30:00 PM	87268						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCZK	9:30:00 AM	87269						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCZK	11:30:00 AM	87270						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCZK	1:30:00 PM	87271						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPCZK	3:30:00 PM	87272						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK	9:30:00 AM	87273						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK	11:30:00 AM	87274						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK	1:30:00 PM	87275						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK	3:30:00 PM	87276						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK.fx	9:30:00 AM	87277						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK.fx	11:30:00 AM	87278						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK.fx	1:30:00 PM	87279						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPDKK.fx	3:30:00 PM	87280						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHKD	9:30:00 AM	87281						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHKD	11:30:00 AM	87282						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHKD	1:30:00 PM	87283						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHKD	3:30:00 PM	87284						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHUF	9:30:00 AM	87285						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHUF	11:30:00 AM	87286						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHUF	1:30:00 PM	87287						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPHUF	3:30:00 PM	87288						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY	9:30:00 AM	87289						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	GBPJPY	11:30:00 AM	87290						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY	1:30:00 PM	87291						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY	3:30:00 PM	87292						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY.fx	9:30:00 AM	87293						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY.fx	11:30:00 AM	87294						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY.fx	1:30:00 PM	87295						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPJPY.fx	3:30:00 PM	87296						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPMXN	9:30:00 AM	87297						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPMXN	11:30:00 AM	87298						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPMXN	1:30:00 PM	87299						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPMXN	3:30:00 PM	87300						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK	9:30:00 AM	87301						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK	11:30:00 AM	87302						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK	1:30:00 PM	87303						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK	3:30:00 PM	87304						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK.fx	9:30:00 AM	87305						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK.fx	11:30:00 AM	87306						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK.fx	1:30:00 PM	87307						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNOK.fx	3:30:00 PM	87308						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD	9:30:00 AM	87309						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD	11:30:00 AM	87310						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD	1:30:00 PM	87311						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD	3:30:00 PM	87312						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD.fx	9:30:00 AM	87313						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD.fx	11:30:00 AM	87314						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD.fx	1:30:00 PM	87315						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPNZD.fx	3:30:00 PM	87316						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN	9:30:00 AM	87317						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN	11:30:00 AM	87318						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN	1:30:00 PM	87319						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN	3:30:00 PM	87320						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN.fx	9:30:00 AM	87321						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN.fx	11:30:00 AM	87322						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPPLN.fx	1:30:00 PM	87323						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	GBPPLN.fx	3:30:00 PM	87324						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK	9:30:00 AM	87325						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK	11:30:00 AM	87326						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK	1:30:00 PM	87327						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK	3:30:00 PM	87328						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK.fx	9:30:00 AM	87329						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK.fx	11:30:00 AM	87330						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK.fx	1:30:00 PM	87331						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSEK.fx	3:30:00 PM	87332						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD	9:30:00 AM	87333						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD	11:30:00 AM	87334						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD	1:30:00 PM	87335						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD	3:30:00 PM	87336						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD.fx	9:30:00 AM	87337						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD.fx	11:30:00 AM	87338						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD.fx	1:30:00 PM	87339						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPSGD.fx	3:30:00 PM	87340						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD	9:30:00 AM	87341						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD	11:30:00 AM	87342						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD	1:30:00 PM	87343						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD	3:30:00 PM	87344						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD.fx	9:30:00 AM	87345						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD.fx	11:30:00 AM	87346						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD.fx	1:30:00 PM	87347						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPUSD.fx	3:30:00 PM	87348						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR	9:30:00 AM	87349						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR	11:30:00 AM	87350						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR	1:30:00 PM	87351						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR	3:30:00 PM	87352						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR.fx	9:30:00 AM	87353						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR.fx	11:30:00 AM	87354						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR.fx	1:30:00 PM	87355						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GBPZAR.fx	3:30:00 PM	87356						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GOLD	9:30:00 AM	87357						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	GOLD	11:30:00 AM	87358						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GOLD	1:30:00 PM	87359						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	GOLD	3:30:00 PM	87360						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY	9:30:00 AM	87361						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY	11:30:00 AM	87362						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY	1:30:00 PM	87363						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY	3:30:00 PM	87364						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY.fx	9:30:00 AM	87365						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY.fx	11:30:00 AM	87366						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY.fx	1:30:00 PM	87367						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HKDJPY.fx	3:30:00 PM	87368						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HUFJPY	9:30:00 AM	87369						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HUFJPY	11:30:00 AM	87370						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HUFJPY	1:30:00 PM	87371						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	HUFJPY	3:30:00 PM	87372						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	JP225.i	9:30:00 AM	87373						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	JP225.i	11:30:00 AM	87374						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	JP225.i	1:30:00 PM	87375						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	JP225.i	3:30:00 PM	87376						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	MXNJPY	9:30:00 AM	87377						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	MXNJPY	11:30:00 AM	87378						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	MXNJPY	1:30:00 PM	87379						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	MXNJPY	3:30:00 PM	87380						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NASDAQ.i	9:30:00 AM	87381						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NASDAQ.i	11:30:00 AM	87382						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NASDAQ.i	1:30:00 PM	87383						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NASDAQ.i	3:30:00 PM	87384						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY	9:30:00 AM	87385						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY	11:30:00 AM	87386						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY	1:30:00 PM	87387						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY	3:30:00 PM	87388						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY.fx	9:30:00 AM	87389						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY.fx	11:30:00 AM	87390						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NOKJPY.fx	1:30:00 PM	87391						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	NOKJPY.fx	3:30:00 PM	87392						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD	9:30:00 AM	87393						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD	11:30:00 AM	87394						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD	1:30:00 PM	87395						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD	3:30:00 PM	87396						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD.fx	9:30:00 AM	87397						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD.fx	11:30:00 AM	87398						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD.fx	1:30:00 PM	87399						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCAD.fx	3:30:00 PM	87400						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF	9:30:00 AM	87401						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF	11:30:00 AM	87402						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF	1:30:00 PM	87403						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF	3:30:00 PM	87404						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF.fx	9:30:00 AM	87405						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF.fx	11:30:00 AM	87406						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF.fx	1:30:00 PM	87407						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCHF.fx	3:30:00 PM	87408						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCZK	9:30:00 AM	87409						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCZK	11:30:00 AM	87410						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCZK	1:30:00 PM	87411						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDCZK	3:30:00 PM	87412						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDDKK	9:30:00 AM	87413						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDDKK	11:30:00 AM	87414						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDDKK	1:30:00 PM	87415						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDDKK	3:30:00 PM	87416						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHKD	9:30:00 AM	87417						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHKD	11:30:00 AM	87418						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHKD	1:30:00 PM	87419						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHKD	3:30:00 PM	87420						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHUF	9:30:00 AM	87421						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHUF	11:30:00 AM	87422						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHUF	1:30:00 PM	87423						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDHUF	3:30:00 PM	87424						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY	9:30:00 AM	87425						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	NZDJPY	11:30:00 AM	87426						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY	1:30:00 PM	87427						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY	3:30:00 PM	87428						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY.fx	9:30:00 AM	87429						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY.fx	11:30:00 AM	87430						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY.fx	1:30:00 PM	87431						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDJPY.fx	3:30:00 PM	87432						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDMXN	9:30:00 AM	87433						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDMXN	11:30:00 AM	87434						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDMXN	1:30:00 PM	87435						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDMXN	3:30:00 PM	87436						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDNOK	9:30:00 AM	87437						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDNOK	11:30:00 AM	87438						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDNOK	1:30:00 PM	87439						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDNOK	3:30:00 PM	87440						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDPLN	9:30:00 AM	87441						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDPLN	11:30:00 AM	87442						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDPLN	1:30:00 PM	87443						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDPLN	3:30:00 PM	87444						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSEK	9:30:00 AM	87445						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSEK	11:30:00 AM	87446						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSEK	1:30:00 PM	87447						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSEK	3:30:00 PM	87448						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD	9:30:00 AM	87449						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD	11:30:00 AM	87450						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD	1:30:00 PM	87451						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD	3:30:00 PM	87452						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD.fx	9:30:00 AM	87453						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD.fx	11:30:00 AM	87454						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD.fx	1:30:00 PM	87455						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDSGD.fx	3:30:00 PM	87456						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD	9:30:00 AM	87457						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD	11:30:00 AM	87458						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD	1:30:00 PM	87459						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	NZDUSD	3:30:00 PM	87460						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD.fx	9:30:00 AM	87461						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD.fx	11:30:00 AM	87462						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD.fx	1:30:00 PM	87463						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDUSD.fx	3:30:00 PM	87464						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDZAR	9:30:00 AM	87465						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDZAR	11:30:00 AM	87466						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDZAR	1:30:00 PM	87467						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	NZDZAR	3:30:00 PM	87468						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY	9:30:00 AM	87469						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY	11:30:00 AM	87470						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY	1:30:00 PM	87471						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY	3:30:00 PM	87472						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY.fx	9:30:00 AM	87473						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY.fx	11:30:00 AM	87474						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY.fx	1:30:00 PM	87475						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SEKJPY.fx	3:30:00 PM	87476						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SGDJPY	9:30:00 AM	87477						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SGDJPY	11:30:00 AM	87478						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SGDJPY	1:30:00 PM	87479						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SGDJPY	3:30:00 PM	87480						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SILVER	9:30:00 AM	87481						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SILVER	11:30:00 AM	87482						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SILVER	1:30:00 PM	87483						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SILVER	3:30:00 PM	87484						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SPX500.i	9:30:00 AM	87485						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SPX500.i	11:30:00 AM	87486						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SPX500.i	1:30:00 PM	87487						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	SPX500.i	3:30:00 PM	87488						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	UK100.i	9:30:00 AM	87489						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	UK100.i	11:30:00 AM	87490						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	UK100.i	1:30:00 PM	87491						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	UK100.i	3:30:00 PM	87492						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD	9:30:00 AM	87493						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	USDCAD	11:30:00 AM	87494						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD	1:30:00 PM	87495						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD	3:30:00 PM	87496						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD.fx	9:30:00 AM	87497						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD.fx	11:30:00 AM	87498						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD.fx	1:30:00 PM	87499						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCAD.fx	3:30:00 PM	87500						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF	9:30:00 AM	87501						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF	11:30:00 AM	87502						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF	1:30:00 PM	87503						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF	3:30:00 PM	87504						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF.fx	9:30:00 AM	87505						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF.fx	11:30:00 AM	87506						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF.fx	1:30:00 PM	87507						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCHF.fx	3:30:00 PM	87508						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK	9:30:00 AM	87509						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK	11:30:00 AM	87510						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK	1:30:00 PM	87511						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK	3:30:00 PM	87512						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK.fx	9:30:00 AM	87513						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK.fx	11:30:00 AM	87514						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK.fx	1:30:00 PM	87515						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDCZK.fx	3:30:00 PM	87516						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK	9:30:00 AM	87517						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK	11:30:00 AM	87518						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK	1:30:00 PM	87519						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK	3:30:00 PM	87520						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK.fx	9:30:00 AM	87521						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK.fx	11:30:00 AM	87522						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK.fx	1:30:00 PM	87523						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDDKK.fx	3:30:00 PM	87524						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD	9:30:00 AM	87525						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD	11:30:00 AM	87526						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD	1:30:00 PM	87527						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	USDHKD	3:30:00 PM	87528						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD.fx	9:30:00 AM	87529						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD.fx	11:30:00 AM	87530						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD.fx	1:30:00 PM	87531						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHKD.fx	3:30:00 PM	87532						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF	9:30:00 AM	87533						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF	11:30:00 AM	87534						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF	1:30:00 PM	87535						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF	3:30:00 PM	87536						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF.fx	9:30:00 AM	87537						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF.fx	11:30:00 AM	87538						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF.fx	1:30:00 PM	87539						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDHUF.fx	3:30:00 PM	87540						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDINR	9:30:00 AM	87541						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDINR	11:30:00 AM	87542						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDINR	1:30:00 PM	87543						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDINR	3:30:00 PM	87544						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY	9:30:00 AM	87545						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY	11:30:00 AM	87546						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY	1:30:00 PM	87547						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	USDJPY.fx	1:30:00 PM	87551						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY.fx	3:30:00 PM	87552						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDMXN	9:30:00 AM	87553						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDMXN	11:30:00 AM	87554						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDMXN	1:30:00 PM	87555						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDMXN	3:30:00 PM	87556						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY.fx	9:30:00 AM	87557						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY.fx	11:30:00 AM	87558						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY.fx	1:30:00 PM	87559						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDJPY.fx	3:30:00 PM	87560						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	USDNOK.fx	11:30:00 AM	87566						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDNOK.fx	1:30:00 PM	87567						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDNOK.fx	3:30:00 PM	87568						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	USDRUB	3:30:00 PM	87580						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	USDSGD	1:30:00 PM	87591						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDSGD	3:30:00 PM	87592						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDSGD.fx	9:30:00 AM	87593						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDSGD.fx	11:30:00 AM	87594						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDSGD.fx	1:30:00 PM	87595						Continuous Quote	N/A	ELECTRONIC	N/A

12/13/2019	USDSGD.fx	3:30:00 PM	87596						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	USDZAR	11:30:00 AM	87598						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR	1:30:00 PM	87599						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR	3:30:00 PM	87600						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR.fx	9:30:00 AM	87601						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR.fx	11:30:00 AM	87602						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR.fx	1:30:00 PM	87603						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	USDZAR.fx	3:30:00 PM	87604						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	XAUUSD	9:30:00 AM	87605						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	XAUUSD	11:30:00 AM	87606						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	XAUUSD	1:30:00 PM	87607						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	XAUUSD	3:30:00 PM	87608						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY	9:30:00 AM	87609						Continuous Quote	N/A	ELECTRONIC	N/A
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12/13/2019	ZARJPY	1:30:00 PM	87611						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY	3:30:00 PM	87612						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY.fx	9:30:00 AM	87613						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY.fx	11:30:00 AM	87614						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY.fx	1:30:00 PM	87615						Continuous Quote	N/A	ELECTRONIC	N/A
12/13/2019	ZARJPY.fx	3:30:00 PM	87616						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	#Bitcoin	3:30:00 PM	87680						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	#BTA	3:30:00 PM	87696						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	#V	11:30:00 AM	88026						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	#WMT	3:30:00 PM	88048						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	AUDUSD	11:30:00 AM	88142						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD	1:30:00 PM	88143						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD	3:30:00 PM	88144						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD.fx	9:30:00 AM	88145						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD.fx	11:30:00 AM	88146						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD.fx	1:30:00 PM	88147						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDUSD.fx	3:30:00 PM	88148						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDZAR	9:30:00 AM	88149						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDZAR	11:30:00 AM	88150						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDZAR	1:30:00 PM	88151						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUDZAR	3:30:00 PM	88152						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUS200.i	9:30:00 AM	88153						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUS200.i	11:30:00 AM	88154						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUS200.i	1:30:00 PM	88155						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	AUS200.i	3:30:00 PM	88156						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	BCHUSD	9:30:00 AM	88157						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	BCHUSD	11:30:00 AM	88158						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	BCHUSD	1:30:00 PM	88159						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	BCHUSD	3:30:00 PM	88160						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF	9:30:00 AM	88161						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF	11:30:00 AM	88162						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF	1:30:00 PM	88163						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF	3:30:00 PM	88164						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF.fx	9:30:00 AM	88165						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF.fx	11:30:00 AM	88166						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF.fx	1:30:00 PM	88167						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCHF.fx	3:30:00 PM	88168						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCZK	9:30:00 AM	88169						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCZK	11:30:00 AM	88170						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCZK	1:30:00 PM	88171						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADCZK	3:30:00 PM	88172						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADDDKK	9:30:00 AM	88173						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	CADDDK	11:30:00 AM	88174						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADDDK	1:30:00 PM	88175						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADDDK	3:30:00 PM	88176						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHKD	9:30:00 AM	88177						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHKD	11:30:00 AM	88178						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHKD	1:30:00 PM	88179						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHKD	3:30:00 PM	88180						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHUF	9:30:00 AM	88181						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHUF	11:30:00 AM	88182						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHUF	1:30:00 PM	88183						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADHUF	3:30:00 PM	88184						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY	9:30:00 AM	88185						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY	11:30:00 AM	88186						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY	1:30:00 PM	88187						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY	3:30:00 PM	88188						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY.fx	9:30:00 AM	88189						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY.fx	11:30:00 AM	88190						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY.fx	1:30:00 PM	88191						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADJPY.fx	3:30:00 PM	88192						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADMXN	9:30:00 AM	88193						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADMXN	11:30:00 AM	88194						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADMXN	1:30:00 PM	88195						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADMXN	3:30:00 PM	88196						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADNOK	9:30:00 AM	88197						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADNOK	11:30:00 AM	88198						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADNOK	1:30:00 PM	88199						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADNOK	3:30:00 PM	88200						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADPLN	9:30:00 AM	88201						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADPLN	11:30:00 AM	88202						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADPLN	1:30:00 PM	88203						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADPLN	3:30:00 PM	88204						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSEK	9:30:00 AM	88205						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSEK	11:30:00 AM	88206						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSEK	1:30:00 PM	88207						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	CADSEK	3:30:00 PM	88208						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSGD	9:30:00 AM	88209						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSGD	11:30:00 AM	88210						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSGD	1:30:00 PM	88211						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADSGD	3:30:00 PM	88212						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADZAR	9:30:00 AM	88213						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADZAR	11:30:00 AM	88214						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADZAR	1:30:00 PM	88215						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CADZAR	3:30:00 PM	88216						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFCZK	9:30:00 AM	88217						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFCZK	11:30:00 AM	88218						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFCZK	1:30:00 PM	88219						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFCZK	3:30:00 PM	88220						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK	9:30:00 AM	88221						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK	11:30:00 AM	88222						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK	1:30:00 PM	88223						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK	3:30:00 PM	88224						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK.fx	9:30:00 AM	88225						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK.fx	11:30:00 AM	88226						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK.fx	1:30:00 PM	88227						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFDKK.fx	3:30:00 PM	88228						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHKD	9:30:00 AM	88229						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHKD	11:30:00 AM	88230						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHKD	1:30:00 PM	88231						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHKD	3:30:00 PM	88232						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHUF	9:30:00 AM	88233						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHUF	11:30:00 AM	88234						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHUF	1:30:00 PM	88235						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFHUF	3:30:00 PM	88236						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY	9:30:00 AM	88237						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY	11:30:00 AM	88238						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY	1:30:00 PM	88239						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY	3:30:00 PM	88240						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY.fx	9:30:00 AM	88241						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	CHFJPY.fx	11:30:00 AM	88242						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY.fx	1:30:00 PM	88243						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFJPY.fx	3:30:00 PM	88244						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFMXN	9:30:00 AM	88245						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFMXN	11:30:00 AM	88246						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFMXN	1:30:00 PM	88247						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFMXN	3:30:00 PM	88248						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK	9:30:00 AM	88249						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK	11:30:00 AM	88250						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK	1:30:00 PM	88251						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK	3:30:00 PM	88252						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK.fx	9:30:00 AM	88253						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK.fx	11:30:00 AM	88254						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK.fx	1:30:00 PM	88255						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFNOK.fx	3:30:00 PM	88256						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN	9:30:00 AM	88257						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN	11:30:00 AM	88258						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN	1:30:00 PM	88259						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN	3:30:00 PM	88260						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN.fx	9:30:00 AM	88261						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN.fx	11:30:00 AM	88262						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN.fx	1:30:00 PM	88263						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFPLN.fx	3:30:00 PM	88264						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSEK	9:30:00 AM	88265						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSEK	11:30:00 AM	88266						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSEK	1:30:00 PM	88267						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSEK	3:30:00 PM	88268						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD	9:30:00 AM	88269						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD	11:30:00 AM	88270						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD	1:30:00 PM	88271						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD	3:30:00 PM	88272						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD.fx	9:30:00 AM	88273						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD.fx	11:30:00 AM	88274						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFSGD.fx	1:30:00 PM	88275						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	CHFSGD.fx	3:30:00 PM	88276						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFZAR	9:30:00 AM	88277						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFZAR	11:30:00 AM	88278						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFZAR	1:30:00 PM	88279						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CHFZAR	3:30:00 PM	88280						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CZKJPY	9:30:00 AM	88281						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CZKJPY	11:30:00 AM	88282						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CZKJPY	1:30:00 PM	88283						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	CZKJPY	3:30:00 PM	88284						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DAX30.i	9:30:00 AM	88285						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DAX30.i	11:30:00 AM	88286						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DAX30.i	1:30:00 PM	88287						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DAX30.i	3:30:00 PM	88288						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DJ30.i	9:30:00 AM	88289						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DJ30.i	11:30:00 AM	88290						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DJ30.i	1:30:00 PM	88291						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DJ30.i	3:30:00 PM	88292						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DKKJPY	9:30:00 AM	88293						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DKKJPY	11:30:00 AM	88294						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DKKJPY	1:30:00 PM	88295						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	DKKJPY	3:30:00 PM	88296						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD	9:30:00 AM	88297						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD	11:30:00 AM	88298						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD	1:30:00 PM	88299						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD	3:30:00 PM	88300						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD.fx	9:30:00 AM	88301						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD.fx	11:30:00 AM	88302						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD.fx	1:30:00 PM	88303						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURAUD.fx	3:30:00 PM	88304						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD	9:30:00 AM	88305						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD	11:30:00 AM	88306						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD	1:30:00 PM	88307						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD	3:30:00 PM	88308						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD.fx	9:30:00 AM	88309						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	EURCAD.fx	11:30:00 AM	88310						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD.fx	1:30:00 PM	88311						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCAD.fx	3:30:00 PM	88312						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF	9:30:00 AM	88313						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF	11:30:00 AM	88314						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF	1:30:00 PM	88315						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF	3:30:00 PM	88316						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF.fx	9:30:00 AM	88317						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF.fx	11:30:00 AM	88318						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF.fx	1:30:00 PM	88319						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCHF.fx	3:30:00 PM	88320						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCZK	9:30:00 AM	88321						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCZK	11:30:00 AM	88322						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCZK	1:30:00 PM	88323						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURCZK	3:30:00 PM	88324						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURDKK	9:30:00 AM	88325						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURDKK	11:30:00 AM	88326						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURDKK	1:30:00 PM	88327						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURDKK	3:30:00 PM	88328						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP	9:30:00 AM	88329						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP	11:30:00 AM	88330						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP	1:30:00 PM	88331						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP	3:30:00 PM	88332						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP.fx	9:30:00 AM	88333						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP.fx	11:30:00 AM	88334						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP.fx	1:30:00 PM	88335						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURGBP.fx	3:30:00 PM	88336						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD	9:30:00 AM	88337						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD	11:30:00 AM	88338						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD	1:30:00 PM	88339						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD	3:30:00 PM	88340						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD.fx	9:30:00 AM	88341						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD.fx	11:30:00 AM	88342						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHKD.fx	1:30:00 PM	88343						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	EURHKD.fx	3:30:00 PM	88344						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF	9:30:00 AM	88345						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF	11:30:00 AM	88346						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF	1:30:00 PM	88347						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF	3:30:00 PM	88348						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF.fx	9:30:00 AM	88349						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF.fx	11:30:00 AM	88350						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF.fx	1:30:00 PM	88351						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURHUF.fx	3:30:00 PM	88352						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY	9:30:00 AM	88353						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY	11:30:00 AM	88354						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY	1:30:00 PM	88355						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY	3:30:00 PM	88356						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY.fx	9:30:00 AM	88357						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY.fx	11:30:00 AM	88358						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY.fx	1:30:00 PM	88359						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURJPY.fx	3:30:00 PM	88360						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN	9:30:00 AM	88361						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN	11:30:00 AM	88362						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN	1:30:00 PM	88363						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN	3:30:00 PM	88364						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN.fx	9:30:00 AM	88365						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN.fx	11:30:00 AM	88366						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN.fx	1:30:00 PM	88367						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURMXN.fx	3:30:00 PM	88368						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK	9:30:00 AM	88369						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK	11:30:00 AM	88370						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK	1:30:00 PM	88371						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK	3:30:00 PM	88372						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK.fx	9:30:00 AM	88373						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK.fx	11:30:00 AM	88374						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK.fx	1:30:00 PM	88375						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNOK.fx	3:30:00 PM	88376						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD	9:30:00 AM	88377						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	EURNZD	11:30:00 AM	88378						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD	1:30:00 PM	88379						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD	3:30:00 PM	88380						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD.fx	9:30:00 AM	88381						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD.fx	11:30:00 AM	88382						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD.fx	1:30:00 PM	88383						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURNZD.fx	3:30:00 PM	88384						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN	9:30:00 AM	88385						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN	11:30:00 AM	88386						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN	1:30:00 PM	88387						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN	3:30:00 PM	88388						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN.fx	9:30:00 AM	88389						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN.fx	11:30:00 AM	88390						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN.fx	1:30:00 PM	88391						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURPLN.fx	3:30:00 PM	88392						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURRUB	9:30:00 AM	88393						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURRUB	11:30:00 AM	88394						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURRUB	1:30:00 PM	88395						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURRUB	3:30:00 PM	88396						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK	9:30:00 AM	88397						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK	11:30:00 AM	88398						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK	1:30:00 PM	88399						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK	3:30:00 PM	88400						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK.fx	9:30:00 AM	88401						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK.fx	11:30:00 AM	88402						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK.fx	1:30:00 PM	88403						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSEK.fx	3:30:00 PM	88404						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD	9:30:00 AM	88405						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD	11:30:00 AM	88406						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD	1:30:00 PM	88407						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD	3:30:00 PM	88408						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD.fx	9:30:00 AM	88409						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD.fx	11:30:00 AM	88410						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURSGD.fx	1:30:00 PM	88411						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	EURSGD.fx	3:30:00 PM	88412						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD	9:30:00 AM	88413						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD	11:30:00 AM	88414						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD	1:30:00 PM	88415						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD	3:30:00 PM	88416						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD.fx	9:30:00 AM	88417						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD.fx	11:30:00 AM	88418						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD.fx	1:30:00 PM	88419						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURUSD.fx	3:30:00 PM	88420						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR	9:30:00 AM	88421						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR	11:30:00 AM	88422						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR	1:30:00 PM	88423						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR	3:30:00 PM	88424						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR.fx	9:30:00 AM	88425						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR.fx	11:30:00 AM	88426						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR.fx	1:30:00 PM	88427						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	EURZAR.fx	3:30:00 PM	88428						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD	9:30:00 AM	88429						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD	11:30:00 AM	88430						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD	1:30:00 PM	88431						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD	3:30:00 PM	88432						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD.fx	9:30:00 AM	88433						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD.fx	11:30:00 AM	88434						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD.fx	1:30:00 PM	88435						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPAUD.fx	3:30:00 PM	88436						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD	9:30:00 AM	88437						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD	11:30:00 AM	88438						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD	1:30:00 PM	88439						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD	3:30:00 PM	88440						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD.fx	9:30:00 AM	88441						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD.fx	11:30:00 AM	88442						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD.fx	1:30:00 PM	88443						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCAD.fx	3:30:00 PM	88444						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF	9:30:00 AM	88445						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	GBPCHF	11:30:00 AM	88446						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF	1:30:00 PM	88447						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF	3:30:00 PM	88448						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF.fx	9:30:00 AM	88449						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF.fx	11:30:00 AM	88450						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF.fx	1:30:00 PM	88451						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCHF.fx	3:30:00 PM	88452						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCZK	9:30:00 AM	88453						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCZK	11:30:00 AM	88454						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCZK	1:30:00 PM	88455						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPCZK	3:30:00 PM	88456						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK	9:30:00 AM	88457						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK	11:30:00 AM	88458						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK	1:30:00 PM	88459						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK	3:30:00 PM	88460						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK.fx	9:30:00 AM	88461						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK.fx	11:30:00 AM	88462						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK.fx	1:30:00 PM	88463						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPDKK.fx	3:30:00 PM	88464						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHKD	9:30:00 AM	88465						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHKD	11:30:00 AM	88466						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHKD	1:30:00 PM	88467						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHKD	3:30:00 PM	88468						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHUF	9:30:00 AM	88469						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHUF	11:30:00 AM	88470						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHUF	1:30:00 PM	88471						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPHUF	3:30:00 PM	88472						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY	9:30:00 AM	88473						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY	11:30:00 AM	88474						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY	1:30:00 PM	88475						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY	3:30:00 PM	88476						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY.fx	9:30:00 AM	88477						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY.fx	11:30:00 AM	88478						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPJPY.fx	1:30:00 PM	88479						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	GBPJPY.fx	3:30:00 PM	88480						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPMXN	9:30:00 AM	88481						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPMXN	11:30:00 AM	88482						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPMXN	1:30:00 PM	88483						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPMXN	3:30:00 PM	88484						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK	9:30:00 AM	88485						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK	11:30:00 AM	88486						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK	1:30:00 PM	88487						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK	3:30:00 PM	88488						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK.fx	9:30:00 AM	88489						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNOK.fx	11:30:00 AM	88490						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	GBPNOK.fx	3:30:00 PM	88492						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD	9:30:00 AM	88493						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD	11:30:00 AM	88494						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD	1:30:00 PM	88495						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD	3:30:00 PM	88496						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD.fx	9:30:00 AM	88497						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD.fx	11:30:00 AM	88498						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD.fx	1:30:00 PM	88499						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPNZD.fx	3:30:00 PM	88500						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN	9:30:00 AM	88501						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN	11:30:00 AM	88502						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN	1:30:00 PM	88503						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN	3:30:00 PM	88504						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN.fx	9:30:00 AM	88505						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN.fx	11:30:00 AM	88506						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN.fx	1:30:00 PM	88507						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPPLN.fx	3:30:00 PM	88508						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK	9:30:00 AM	88509						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK	11:30:00 AM	88510						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK	1:30:00 PM	88511						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK	3:30:00 PM	88512						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK.fx	9:30:00 AM	88513						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	GBPSEK.fx	11:30:00 AM	88514						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK.fx	1:30:00 PM	88515						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSEK.fx	3:30:00 PM	88516						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD	9:30:00 AM	88517						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD	11:30:00 AM	88518						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD	1:30:00 PM	88519						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD	3:30:00 PM	88520						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD.fx	9:30:00 AM	88521						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD.fx	11:30:00 AM	88522						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD.fx	1:30:00 PM	88523						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPSGD.fx	3:30:00 PM	88524						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD	9:30:00 AM	88525						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD	11:30:00 AM	88526						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD	1:30:00 PM	88527						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD	3:30:00 PM	88528						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD.fx	9:30:00 AM	88529						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD.fx	11:30:00 AM	88530						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD.fx	1:30:00 PM	88531						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPUSD.fx	3:30:00 PM	88532						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR	9:30:00 AM	88533						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR	11:30:00 AM	88534						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR	1:30:00 PM	88535						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR	3:30:00 PM	88536						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR.fx	9:30:00 AM	88537						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR.fx	11:30:00 AM	88538						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR.fx	1:30:00 PM	88539						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GBPZAR.fx	3:30:00 PM	88540						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GOLD	9:30:00 AM	88541						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GOLD	11:30:00 AM	88542						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GOLD	1:30:00 PM	88543						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	GOLD	3:30:00 PM	88544						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY	9:30:00 AM	88545						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY	11:30:00 AM	88546						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY	1:30:00 PM	88547						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	HKDJPY	3:30:00 PM	88548						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY.fx	9:30:00 AM	88549						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY.fx	11:30:00 AM	88550						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY.fx	1:30:00 PM	88551						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HKDJPY.fx	3:30:00 PM	88552						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HUFJPY	9:30:00 AM	88553						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HUFJPY	11:30:00 AM	88554						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HUFJPY	1:30:00 PM	88555						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	HUFJPY	3:30:00 PM	88556						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	JP225.i	9:30:00 AM	88557						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	JP225.i	11:30:00 AM	88558						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	JP225.i	1:30:00 PM	88559						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	JP225.i	3:30:00 PM	88560						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	MXNJPY	9:30:00 AM	88561						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	MXNJPY	11:30:00 AM	88562						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	MXNJPY	1:30:00 PM	88563						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	MXNJPY	3:30:00 PM	88564						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NASDAQ.i	9:30:00 AM	88565						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NASDAQ.i	11:30:00 AM	88566						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NASDAQ.i	1:30:00 PM	88567						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NASDAQ.i	3:30:00 PM	88568						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY	9:30:00 AM	88569						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY	11:30:00 AM	88570						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY	1:30:00 PM	88571						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY	3:30:00 PM	88572						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY.fx	9:30:00 AM	88573						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY.fx	11:30:00 AM	88574						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY.fx	1:30:00 PM	88575						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NOKJPY.fx	3:30:00 PM	88576						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD	9:30:00 AM	88577						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD	11:30:00 AM	88578						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD	1:30:00 PM	88579						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD	3:30:00 PM	88580						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD.fx	9:30:00 AM	88581						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	NZDCAD.fx	11:30:00 AM	88582						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD.fx	1:30:00 PM	88583						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCAD.fx	3:30:00 PM	88584						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF	9:30:00 AM	88585						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF	11:30:00 AM	88586						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF	1:30:00 PM	88587						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF	3:30:00 PM	88588						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF.fx	9:30:00 AM	88589						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF.fx	11:30:00 AM	88590						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF.fx	1:30:00 PM	88591						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCHF.fx	3:30:00 PM	88592						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCZK	9:30:00 AM	88593						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCZK	11:30:00 AM	88594						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCZK	1:30:00 PM	88595						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDCZK	3:30:00 PM	88596						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDDKK	9:30:00 AM	88597						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDDKK	11:30:00 AM	88598						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDDKK	1:30:00 PM	88599						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDDKK	3:30:00 PM	88600						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHKD	9:30:00 AM	88601						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHKD	11:30:00 AM	88602						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHKD	1:30:00 PM	88603						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHKD	3:30:00 PM	88604						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHUF	9:30:00 AM	88605						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHUF	11:30:00 AM	88606						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHUF	1:30:00 PM	88607						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDHUF	3:30:00 PM	88608						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY	9:30:00 AM	88609						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY	11:30:00 AM	88610						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY	1:30:00 PM	88611						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY	3:30:00 PM	88612						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY.fx	9:30:00 AM	88613						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY.fx	11:30:00 AM	88614						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDJPY.fx	1:30:00 PM	88615						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	NZDJPY.fx	3:30:00 PM	88616						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDMXN	9:30:00 AM	88617						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDMXN	11:30:00 AM	88618						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDMXN	1:30:00 PM	88619						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDMXN	3:30:00 PM	88620						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDNOK	9:30:00 AM	88621						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDNOK	11:30:00 AM	88622						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDNOK	1:30:00 PM	88623						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDNOK	3:30:00 PM	88624						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDPLN	9:30:00 AM	88625						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDPLN	11:30:00 AM	88626						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDPLN	1:30:00 PM	88627						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDPLN	3:30:00 PM	88628						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSEK	9:30:00 AM	88629						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSEK	11:30:00 AM	88630						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSEK	1:30:00 PM	88631						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSEK	3:30:00 PM	88632						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD	9:30:00 AM	88633						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD	11:30:00 AM	88634						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD	1:30:00 PM	88635						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD	3:30:00 PM	88636						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD.fx	9:30:00 AM	88637						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD.fx	11:30:00 AM	88638						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD.fx	1:30:00 PM	88639						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDSGD.fx	3:30:00 PM	88640						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD	9:30:00 AM	88641						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD	11:30:00 AM	88642						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD	1:30:00 PM	88643						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD	3:30:00 PM	88644						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD.fx	9:30:00 AM	88645						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD.fx	11:30:00 AM	88646						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD.fx	1:30:00 PM	88647						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDUSD.fx	3:30:00 PM	88648						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDZAR	9:30:00 AM	88649						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	NZDZAR	11:30:00 AM	88650						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDZAR	1:30:00 PM	88651						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	NZDZAR	3:30:00 PM	88652						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY	9:30:00 AM	88653						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY	11:30:00 AM	88654						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY	1:30:00 PM	88655						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY	3:30:00 PM	88656						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY.fx	9:30:00 AM	88657						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY.fx	11:30:00 AM	88658						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY.fx	1:30:00 PM	88659						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SEKJPY.fx	3:30:00 PM	88660						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SGDJPY	9:30:00 AM	88661						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SGDJPY	11:30:00 AM	88662						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SGDJPY	1:30:00 PM	88663						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SGDJPY	3:30:00 PM	88664						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SILVER	9:30:00 AM	88665						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SILVER	11:30:00 AM	88666						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SILVER	1:30:00 PM	88667						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SILVER	3:30:00 PM	88668						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SPX500.i	9:30:00 AM	88669						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SPX500.i	11:30:00 AM	88670						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SPX500.i	1:30:00 PM	88671						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	SPX500.i	3:30:00 PM	88672						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	UK100.i	9:30:00 AM	88673						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	UK100.i	11:30:00 AM	88674						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	UK100.i	1:30:00 PM	88675						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	UK100.i	3:30:00 PM	88676						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD	9:30:00 AM	88677						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD	11:30:00 AM	88678						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD	1:30:00 PM	88679						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD	3:30:00 PM	88680						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD.fx	9:30:00 AM	88681						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD.fx	11:30:00 AM	88682						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCAD.fx	1:30:00 PM	88683						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	USDCAD.fx	3:30:00 PM	88684						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF	9:30:00 AM	88685						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF	11:30:00 AM	88686						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF	1:30:00 PM	88687						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF	3:30:00 PM	88688						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF.fx	9:30:00 AM	88689						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF.fx	11:30:00 AM	88690						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF.fx	1:30:00 PM	88691						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCHF.fx	3:30:00 PM	88692						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK	9:30:00 AM	88693						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK	11:30:00 AM	88694						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK	1:30:00 PM	88695						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK	3:30:00 PM	88696						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK.fx	9:30:00 AM	88697						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK.fx	11:30:00 AM	88698						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK.fx	1:30:00 PM	88699						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDCZK.fx	3:30:00 PM	88700						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK	9:30:00 AM	88701						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK	11:30:00 AM	88702						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK	1:30:00 PM	88703						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK	3:30:00 PM	88704						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK.fx	9:30:00 AM	88705						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK.fx	11:30:00 AM	88706						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK.fx	1:30:00 PM	88707						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDDKK.fx	3:30:00 PM	88708						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD	9:30:00 AM	88709						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD	11:30:00 AM	88710						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD	1:30:00 PM	88711						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD	3:30:00 PM	88712						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD.fx	9:30:00 AM	88713						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD.fx	11:30:00 AM	88714						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD.fx	1:30:00 PM	88715						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHKD.fx	3:30:00 PM	88716						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF	9:30:00 AM	88717						Continuous Quote	N/A	ELECTRONIC	N/A

12/14/2019	USDHUF	11:30:00 AM	88718						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF	1:30:00 PM	88719						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF	3:30:00 PM	88720						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF.fx	9:30:00 AM	88721						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF.fx	11:30:00 AM	88722						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF.fx	1:30:00 PM	88723						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDHUF.fx	3:30:00 PM	88724						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDINR	9:30:00 AM	88725						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDINR	11:30:00 AM	88726						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDINR	1:30:00 PM	88727						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDINR	3:30:00 PM	88728						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	JSDMXN.fx	3:30:00 PM	88744						Continuous Quote	N/A	ELECTRONIC	N/A
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12/14/2019	USDNOK.fx	1:30:00 PM	88751						Continuous Quote	N/A	ELECTRONIC	N/A

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12/14/2019	USDZAR	9:30:00 AM	88781						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDZAR	11:30:00 AM	88782						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDZAR	1:30:00 PM	88783						Continuous Quote	N/A	ELECTRONIC	N/A
12/14/2019	USDZAR	3:30:00 PM	88784						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#S	1:30:00 PM	89151						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	#S	3:30:00 PM	89152						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#TRV	1:30:00 PM	89179						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#TSLA	9:30:00 AM	89185						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#TSLA	1:30:00 PM	89187						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#WFC	9:30:00 AM	89225						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	#WFC	11:30:00 AM	89226						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#XOM	3:30:00 PM	89236						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#YHOO	3:30:00 PM	89240						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	#ZNGA	3:30:00 PM	89244						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	AUDCHF.fx	3:30:00 PM	89260						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	AUDHKD	3:30:00 PM	89272						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	AUDPLN	1:30:00 PM	89307						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	AUDSEK	3:30:00 PM	89312						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	AUDUSD.fx	11:30:00 AM	89330						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDUSD.fx	1:30:00 PM	89331						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDUSD.fx	3:30:00 PM	89332						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDZAR	9:30:00 AM	89333						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDZAR	11:30:00 AM	89334						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDZAR	1:30:00 PM	89335						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUDZAR	3:30:00 PM	89336						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUS200.i	9:30:00 AM	89337						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUS200.i	11:30:00 AM	89338						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUS200.i	1:30:00 PM	89339						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	AUS200.i	3:30:00 PM	89340						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	BCHUSD	9:30:00 AM	89341						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	BCHUSD	11:30:00 AM	89342						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	BCHUSD	1:30:00 PM	89343						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	BCHUSD	3:30:00 PM	89344						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF	9:30:00 AM	89345						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF	11:30:00 AM	89346						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF	1:30:00 PM	89347						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF	3:30:00 PM	89348						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF.fx	9:30:00 AM	89349						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF.fx	11:30:00 AM	89350						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF.fx	1:30:00 PM	89351						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCHF.fx	3:30:00 PM	89352						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCZK	9:30:00 AM	89353						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCZK	11:30:00 AM	89354						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCZK	1:30:00 PM	89355						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADCZK	3:30:00 PM	89356						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADDDKK	9:30:00 AM	89357						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADDDKK	11:30:00 AM	89358						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADDDKK	1:30:00 PM	89359						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADDDKK	3:30:00 PM	89360						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHKD	9:30:00 AM	89361						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHKD	11:30:00 AM	89362						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHKD	1:30:00 PM	89363						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	CADHKD	3:30:00 PM	89364						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHUF	9:30:00 AM	89365						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHUF	11:30:00 AM	89366						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHUF	1:30:00 PM	89367						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADHUF	3:30:00 PM	89368						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY	9:30:00 AM	89369						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY	11:30:00 AM	89370						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY	1:30:00 PM	89371						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY	3:30:00 PM	89372						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY.fx	9:30:00 AM	89373						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY.fx	11:30:00 AM	89374						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY.fx	1:30:00 PM	89375						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADJPY.fx	3:30:00 PM	89376						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADMXN	9:30:00 AM	89377						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADMXN	11:30:00 AM	89378						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADMXN	1:30:00 PM	89379						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADMXN	3:30:00 PM	89380						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADNOK	9:30:00 AM	89381						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADNOK	11:30:00 AM	89382						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADNOK	1:30:00 PM	89383						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADNOK	3:30:00 PM	89384						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADPLN	9:30:00 AM	89385						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADPLN	11:30:00 AM	89386						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADPLN	1:30:00 PM	89387						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADPLN	3:30:00 PM	89388						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSEK	9:30:00 AM	89389						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSEK	11:30:00 AM	89390						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSEK	1:30:00 PM	89391						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSEK	3:30:00 PM	89392						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSGD	9:30:00 AM	89393						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSGD	11:30:00 AM	89394						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSGD	1:30:00 PM	89395						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADSGD	3:30:00 PM	89396						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADZAR	9:30:00 AM	89397						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	CADZAR	11:30:00 AM	89398						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADZAR	1:30:00 PM	89399						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CADZAR	3:30:00 PM	89400						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	CHFCZK	11:30:00 AM	89402						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFCZK	1:30:00 PM	89403						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFCZK	3:30:00 PM	89404						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK	9:30:00 AM	89405						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK	11:30:00 AM	89406						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK	1:30:00 PM	89407						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK	3:30:00 PM	89408						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK.fx	9:30:00 AM	89409						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK.fx	11:30:00 AM	89410						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK.fx	1:30:00 PM	89411						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFDKK.fx	3:30:00 PM	89412						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHKD	9:30:00 AM	89413						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHKD	11:30:00 AM	89414						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHKD	1:30:00 PM	89415						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHKD	3:30:00 PM	89416						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHUF	9:30:00 AM	89417						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHUF	11:30:00 AM	89418						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHUF	1:30:00 PM	89419						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFHUF	3:30:00 PM	89420						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY	9:30:00 AM	89421						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY	11:30:00 AM	89422						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY	1:30:00 PM	89423						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY	3:30:00 PM	89424						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY.fx	9:30:00 AM	89425						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY.fx	11:30:00 AM	89426						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY.fx	1:30:00 PM	89427						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFJPY.fx	3:30:00 PM	89428						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFMXN	9:30:00 AM	89429						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFMXN	11:30:00 AM	89430						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFMXN	1:30:00 PM	89431						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	CHFMXN	3:30:00 PM	89432						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK	9:30:00 AM	89433						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK	11:30:00 AM	89434						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK	1:30:00 PM	89435						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK	3:30:00 PM	89436						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK.fx	9:30:00 AM	89437						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK.fx	11:30:00 AM	89438						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK.fx	1:30:00 PM	89439						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFNOK.fx	3:30:00 PM	89440						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN	9:30:00 AM	89441						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN	11:30:00 AM	89442						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN	1:30:00 PM	89443						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN	3:30:00 PM	89444						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN.fx	9:30:00 AM	89445						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN.fx	11:30:00 AM	89446						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN.fx	1:30:00 PM	89447						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFPLN.fx	3:30:00 PM	89448						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSEK	9:30:00 AM	89449						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSEK	11:30:00 AM	89450						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSEK	1:30:00 PM	89451						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSEK	3:30:00 PM	89452						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD	9:30:00 AM	89453						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD	11:30:00 AM	89454						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD	1:30:00 PM	89455						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD	3:30:00 PM	89456						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD.fx	9:30:00 AM	89457						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD.fx	11:30:00 AM	89458						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD.fx	1:30:00 PM	89459						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFSGD.fx	3:30:00 PM	89460						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFZAR	9:30:00 AM	89461						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFZAR	11:30:00 AM	89462						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFZAR	1:30:00 PM	89463						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CHFZAR	3:30:00 PM	89464						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CZKJPY	9:30:00 AM	89465						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	CZKJPY	11:30:00 AM	89466						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CZKJPY	1:30:00 PM	89467						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	CZKJPY	3:30:00 PM	89468						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DAX30.i	9:30:00 AM	89469						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DAX30.i	11:30:00 AM	89470						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DAX30.i	1:30:00 PM	89471						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DAX30.i	3:30:00 PM	89472						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DJ30.i	9:30:00 AM	89473						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DJ30.i	11:30:00 AM	89474						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DJ30.i	1:30:00 PM	89475						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DJ30.i	3:30:00 PM	89476						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DKKJPY	9:30:00 AM	89477						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DKKJPY	11:30:00 AM	89478						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DKKJPY	1:30:00 PM	89479						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	DKKJPY	3:30:00 PM	89480						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD	9:30:00 AM	89481						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD	11:30:00 AM	89482						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD	1:30:00 PM	89483						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD	3:30:00 PM	89484						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD.fx	9:30:00 AM	89485						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD.fx	11:30:00 AM	89486						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD.fx	1:30:00 PM	89487						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURAUD.fx	3:30:00 PM	89488						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD	9:30:00 AM	89489						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD	11:30:00 AM	89490						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD	1:30:00 PM	89491						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD	3:30:00 PM	89492						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD.fx	9:30:00 AM	89493						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD.fx	11:30:00 AM	89494						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD.fx	1:30:00 PM	89495						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCAD.fx	3:30:00 PM	89496						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF	9:30:00 AM	89497						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF	11:30:00 AM	89498						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF	1:30:00 PM	89499						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	EURCHF	3:30:00 PM	89500						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF.fx	9:30:00 AM	89501						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF.fx	11:30:00 AM	89502						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF.fx	1:30:00 PM	89503						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCHF.fx	3:30:00 PM	89504						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCZK	9:30:00 AM	89505						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCZK	11:30:00 AM	89506						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCZK	1:30:00 PM	89507						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURCZK	3:30:00 PM	89508						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURDKK	9:30:00 AM	89509						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURDKK	11:30:00 AM	89510						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURDKK	1:30:00 PM	89511						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURDKK	3:30:00 PM	89512						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP	9:30:00 AM	89513						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP	11:30:00 AM	89514						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP	1:30:00 PM	89515						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP	3:30:00 PM	89516						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP.fx	9:30:00 AM	89517						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP.fx	11:30:00 AM	89518						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP.fx	1:30:00 PM	89519						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURGBP.fx	3:30:00 PM	89520						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD	9:30:00 AM	89521						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD	11:30:00 AM	89522						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD	1:30:00 PM	89523						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD	3:30:00 PM	89524						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD.fx	9:30:00 AM	89525						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD.fx	11:30:00 AM	89526						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD.fx	1:30:00 PM	89527						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHKD.fx	3:30:00 PM	89528						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF	9:30:00 AM	89529						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF	11:30:00 AM	89530						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF	1:30:00 PM	89531						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF	3:30:00 PM	89532						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF.fx	9:30:00 AM	89533						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	EURHUF.fx	11:30:00 AM	89534						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF.fx	1:30:00 PM	89535						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURHUF.fx	3:30:00 PM	89536						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY	9:30:00 AM	89537						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY	11:30:00 AM	89538						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY	1:30:00 PM	89539						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY	3:30:00 PM	89540						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY.fx	9:30:00 AM	89541						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY.fx	11:30:00 AM	89542						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY.fx	1:30:00 PM	89543						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURJPY.fx	3:30:00 PM	89544						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN	9:30:00 AM	89545						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN	11:30:00 AM	89546						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN	1:30:00 PM	89547						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN	3:30:00 PM	89548						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN.fx	9:30:00 AM	89549						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN.fx	11:30:00 AM	89550						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN.fx	1:30:00 PM	89551						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURMXN.fx	3:30:00 PM	89552						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK	9:30:00 AM	89553						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK	11:30:00 AM	89554						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK	1:30:00 PM	89555						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK	3:30:00 PM	89556						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK.fx	9:30:00 AM	89557						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK.fx	11:30:00 AM	89558						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK.fx	1:30:00 PM	89559						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNOK.fx	3:30:00 PM	89560						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD	9:30:00 AM	89561						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD	11:30:00 AM	89562						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD	1:30:00 PM	89563						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD	3:30:00 PM	89564						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD.fx	9:30:00 AM	89565						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD.fx	11:30:00 AM	89566						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURNZD.fx	1:30:00 PM	89567						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	EURNZD.fx	3:30:00 PM	89568						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN	9:30:00 AM	89569						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN	11:30:00 AM	89570						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN	1:30:00 PM	89571						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN	3:30:00 PM	89572						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN.fx	9:30:00 AM	89573						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN.fx	11:30:00 AM	89574						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN.fx	1:30:00 PM	89575						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURPLN.fx	3:30:00 PM	89576						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURRUB	9:30:00 AM	89577						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURRUB	11:30:00 AM	89578						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURRUB	1:30:00 PM	89579						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURRUB	3:30:00 PM	89580						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK	9:30:00 AM	89581						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK	11:30:00 AM	89582						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK	1:30:00 PM	89583						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK	3:30:00 PM	89584						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK.fx	9:30:00 AM	89585						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK.fx	11:30:00 AM	89586						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK.fx	1:30:00 PM	89587						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSEK.fx	3:30:00 PM	89588						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD	9:30:00 AM	89589						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD	11:30:00 AM	89590						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD	1:30:00 PM	89591						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD	3:30:00 PM	89592						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD.fx	9:30:00 AM	89593						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD.fx	11:30:00 AM	89594						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD.fx	1:30:00 PM	89595						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURSGD.fx	3:30:00 PM	89596						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD	9:30:00 AM	89597						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD	11:30:00 AM	89598						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD	1:30:00 PM	89599						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD	3:30:00 PM	89600						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD.fx	9:30:00 AM	89601						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	EURUSD.fx	11:30:00 AM	89602						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD.fx	1:30:00 PM	89603						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURUSD.fx	3:30:00 PM	89604						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR	9:30:00 AM	89605						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR	11:30:00 AM	89606						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR	1:30:00 PM	89607						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR	3:30:00 PM	89608						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR.fx	9:30:00 AM	89609						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR.fx	11:30:00 AM	89610						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR.fx	1:30:00 PM	89611						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	EURZAR.fx	3:30:00 PM	89612						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD	9:30:00 AM	89613						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD	11:30:00 AM	89614						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD	1:30:00 PM	89615						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD	3:30:00 PM	89616						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD.fx	9:30:00 AM	89617						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD.fx	11:30:00 AM	89618						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD.fx	1:30:00 PM	89619						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPAUD.fx	3:30:00 PM	89620						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD	9:30:00 AM	89621						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD	11:30:00 AM	89622						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD	1:30:00 PM	89623						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD	3:30:00 PM	89624						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD.fx	9:30:00 AM	89625						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD.fx	11:30:00 AM	89626						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD.fx	1:30:00 PM	89627						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCAD.fx	3:30:00 PM	89628						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF	9:30:00 AM	89629						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF	11:30:00 AM	89630						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF	1:30:00 PM	89631						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF	3:30:00 PM	89632						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF.fx	9:30:00 AM	89633						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF.fx	11:30:00 AM	89634						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCHF.fx	1:30:00 PM	89635						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	GBPCHF.fx	3:30:00 PM	89636						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCZK	9:30:00 AM	89637						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCZK	11:30:00 AM	89638						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCZK	1:30:00 PM	89639						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPCZK	3:30:00 PM	89640						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK	9:30:00 AM	89641						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK	11:30:00 AM	89642						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK	1:30:00 PM	89643						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK	3:30:00 PM	89644						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK.fx	9:30:00 AM	89645						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK.fx	11:30:00 AM	89646						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK.fx	1:30:00 PM	89647						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPDKK.fx	3:30:00 PM	89648						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHKD	9:30:00 AM	89649						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHKD	11:30:00 AM	89650						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHKD	1:30:00 PM	89651						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHKD	3:30:00 PM	89652						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHUF	9:30:00 AM	89653						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHUF	11:30:00 AM	89654						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHUF	1:30:00 PM	89655						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPHUF	3:30:00 PM	89656						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY	9:30:00 AM	89657						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY	11:30:00 AM	89658						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY	1:30:00 PM	89659						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY	3:30:00 PM	89660						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY.fx	9:30:00 AM	89661						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY.fx	11:30:00 AM	89662						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY.fx	1:30:00 PM	89663						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPJPY.fx	3:30:00 PM	89664						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPMXN	9:30:00 AM	89665						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPMXN	11:30:00 AM	89666						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPMXN	1:30:00 PM	89667						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPMXN	3:30:00 PM	89668						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK	9:30:00 AM	89669						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	GBPNOK	11:30:00 AM	89670						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK	1:30:00 PM	89671						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK	3:30:00 PM	89672						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK.fx	9:30:00 AM	89673						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK.fx	11:30:00 AM	89674						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK.fx	1:30:00 PM	89675						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNOK.fx	3:30:00 PM	89676						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD	9:30:00 AM	89677						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD	11:30:00 AM	89678						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD	1:30:00 PM	89679						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD	3:30:00 PM	89680						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD.fx	9:30:00 AM	89681						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD.fx	11:30:00 AM	89682						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD.fx	1:30:00 PM	89683						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPNZD.fx	3:30:00 PM	89684						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN	9:30:00 AM	89685						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN	11:30:00 AM	89686						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN	1:30:00 PM	89687						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN	3:30:00 PM	89688						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN.fx	9:30:00 AM	89689						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN.fx	11:30:00 AM	89690						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN.fx	1:30:00 PM	89691						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPPLN.fx	3:30:00 PM	89692						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK	9:30:00 AM	89693						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK	11:30:00 AM	89694						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK	1:30:00 PM	89695						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK	3:30:00 PM	89696						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK.fx	9:30:00 AM	89697						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK.fx	11:30:00 AM	89698						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK.fx	1:30:00 PM	89699						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSEK.fx	3:30:00 PM	89700						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD	9:30:00 AM	89701						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD	11:30:00 AM	89702						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD	1:30:00 PM	89703						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	GBPSGD	3:30:00 PM	89704						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD.fx	9:30:00 AM	89705						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD.fx	11:30:00 AM	89706						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD.fx	1:30:00 PM	89707						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPSGD.fx	3:30:00 PM	89708						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD	9:30:00 AM	89709						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD	11:30:00 AM	89710						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD	1:30:00 PM	89711						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD	3:30:00 PM	89712						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD.fx	9:30:00 AM	89713						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD.fx	11:30:00 AM	89714						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD.fx	1:30:00 PM	89715						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPUSD.fx	3:30:00 PM	89716						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR	9:30:00 AM	89717						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR	11:30:00 AM	89718						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR	1:30:00 PM	89719						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR	3:30:00 PM	89720						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR.fx	9:30:00 AM	89721						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR.fx	11:30:00 AM	89722						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR.fx	1:30:00 PM	89723						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GBPZAR.fx	3:30:00 PM	89724						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GOLD	9:30:00 AM	89725						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GOLD	11:30:00 AM	89726						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GOLD	1:30:00 PM	89727						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	GOLD	3:30:00 PM	89728						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY	9:30:00 AM	89729						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY	11:30:00 AM	89730						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY	1:30:00 PM	89731						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY	3:30:00 PM	89732						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY.fx	9:30:00 AM	89733						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY.fx	11:30:00 AM	89734						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY.fx	1:30:00 PM	89735						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HKDJPY.fx	3:30:00 PM	89736						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HUFJPY	9:30:00 AM	89737						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	HUFJPY	11:30:00 AM	89738						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HUFJPY	1:30:00 PM	89739						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	HUFJPY	3:30:00 PM	89740						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JP225.i	9:30:00 AM	89741						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JP225.i	11:30:00 AM	89742						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JP225.i	1:30:00 PM	89743						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JP225.i	3:30:00 PM	89744						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	MXNJPY	9:30:00 AM	89745						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	MXNJPY	11:30:00 AM	89746						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	MXNJPY	1:30:00 PM	89747						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	MXNJPY	3:30:00 PM	89748						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NASDAQ.i	9:30:00 AM	89749						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NASDAQ.i	11:30:00 AM	89750						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NASDAQ.i	1:30:00 PM	89751						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NASDAQ.i	3:30:00 PM	89752						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY	9:30:00 AM	89753						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY	11:30:00 AM	89754						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY	1:30:00 PM	89755						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY	3:30:00 PM	89756						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY.fx	9:30:00 AM	89757						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY.fx	11:30:00 AM	89758						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY.fx	1:30:00 PM	89759						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NOKJPY.fx	3:30:00 PM	89760						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD	9:30:00 AM	89761						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD	11:30:00 AM	89762						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD	1:30:00 PM	89763						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD	3:30:00 PM	89764						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD.fx	9:30:00 AM	89765						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD.fx	11:30:00 AM	89766						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD.fx	1:30:00 PM	89767						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCAD.fx	3:30:00 PM	89768						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF	9:30:00 AM	89769						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF	11:30:00 AM	89770						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF	1:30:00 PM	89771						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	NZDCHF	3:30:00 PM	89772						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF.fx	9:30:00 AM	89773						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF.fx	11:30:00 AM	89774						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF.fx	1:30:00 PM	89775						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCHF.fx	3:30:00 PM	89776						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCZK	9:30:00 AM	89777						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCZK	11:30:00 AM	89778						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCZK	1:30:00 PM	89779						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDCZK	3:30:00 PM	89780						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDDKK	9:30:00 AM	89781						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDDKK	11:30:00 AM	89782						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDDKK	1:30:00 PM	89783						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDDKK	3:30:00 PM	89784						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHKD	9:30:00 AM	89785						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHKD	11:30:00 AM	89786						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHKD	1:30:00 PM	89787						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHKD	3:30:00 PM	89788						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHUF	9:30:00 AM	89789						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHUF	11:30:00 AM	89790						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHUF	1:30:00 PM	89791						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDHUF	3:30:00 PM	89792						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY	9:30:00 AM	89793						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY	11:30:00 AM	89794						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY	1:30:00 PM	89795						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY	3:30:00 PM	89796						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY.fx	9:30:00 AM	89797						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY.fx	11:30:00 AM	89798						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY.fx	1:30:00 PM	89799						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDJPY.fx	3:30:00 PM	89800						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDMXN	9:30:00 AM	89801						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDMXN	11:30:00 AM	89802						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDMXN	1:30:00 PM	89803						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDMXN	3:30:00 PM	89804						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDNOK	9:30:00 AM	89805						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	NZDNOK	11:30:00 AM	89806						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDNOK	1:30:00 PM	89807						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDNOK	3:30:00 PM	89808						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDPLN	9:30:00 AM	89809						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDPLN	11:30:00 AM	89810						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDPLN	1:30:00 PM	89811						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDPLN	3:30:00 PM	89812						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSEK	9:30:00 AM	89813						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSEK	11:30:00 AM	89814						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSEK	1:30:00 PM	89815						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSEK	3:30:00 PM	89816						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD	9:30:00 AM	89817						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD	11:30:00 AM	89818						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD	1:30:00 PM	89819						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD	3:30:00 PM	89820						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD.fx	9:30:00 AM	89821						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD.fx	11:30:00 AM	89822						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD.fx	1:30:00 PM	89823						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDSGD.fx	3:30:00 PM	89824						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD	9:30:00 AM	89825						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD	11:30:00 AM	89826						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD	1:30:00 PM	89827						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD	3:30:00 PM	89828						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD.fx	9:30:00 AM	89829						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD.fx	11:30:00 AM	89830						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD.fx	1:30:00 PM	89831						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDUSD.fx	3:30:00 PM	89832						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDZAR	9:30:00 AM	89833						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDZAR	11:30:00 AM	89834						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDZAR	1:30:00 PM	89835						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	NZDZAR	3:30:00 PM	89836						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY	9:30:00 AM	89837						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY	11:30:00 AM	89838						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY	1:30:00 PM	89839						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	SEKJPY	3:30:00 PM	89840						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY.fx	9:30:00 AM	89841						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY.fx	11:30:00 AM	89842						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY.fx	1:30:00 PM	89843						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SEKJPY.fx	3:30:00 PM	89844						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SGDJPY	9:30:00 AM	89845						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SGDJPY	11:30:00 AM	89846						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SGDJPY	1:30:00 PM	89847						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SGDJPY	3:30:00 PM	89848						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SILVER	9:30:00 AM	89849						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SILVER	11:30:00 AM	89850						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SILVER	1:30:00 PM	89851						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SILVER	3:30:00 PM	89852						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SPX500.i	9:30:00 AM	89853						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SPX500.i	11:30:00 AM	89854						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SPX500.i	1:30:00 PM	89855						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	SPX500.i	3:30:00 PM	89856						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	UK100.i	9:30:00 AM	89857						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	UK100.i	11:30:00 AM	89858						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	UK100.i	1:30:00 PM	89859						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	UK100.i	3:30:00 PM	89860						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD	9:30:00 AM	89861						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD	11:30:00 AM	89862						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD	1:30:00 PM	89863						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD	3:30:00 PM	89864						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD.fx	9:30:00 AM	89865						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD.fx	11:30:00 AM	89866						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD.fx	1:30:00 PM	89867						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCAD.fx	3:30:00 PM	89868						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF	9:30:00 AM	89869						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF	11:30:00 AM	89870						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF	1:30:00 PM	89871						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF	3:30:00 PM	89872						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF.fx	9:30:00 AM	89873						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	USDCHF.fx	11:30:00 AM	89874						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF.fx	1:30:00 PM	89875						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCHF.fx	3:30:00 PM	89876						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK	9:30:00 AM	89877						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK	11:30:00 AM	89878						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK	1:30:00 PM	89879						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK	3:30:00 PM	89880						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK.fx	9:30:00 AM	89881						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK.fx	11:30:00 AM	89882						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK.fx	1:30:00 PM	89883						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDCZK.fx	3:30:00 PM	89884						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK	9:30:00 AM	89885						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK	11:30:00 AM	89886						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK	1:30:00 PM	89887						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK	3:30:00 PM	89888						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK.fx	9:30:00 AM	89889						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK.fx	11:30:00 AM	89890						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK.fx	1:30:00 PM	89891						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDDKK.fx	3:30:00 PM	89892						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD	9:30:00 AM	89893						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD	11:30:00 AM	89894						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD	1:30:00 PM	89895						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD	3:30:00 PM	89896						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD.fx	9:30:00 AM	89897						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD.fx	11:30:00 AM	89898						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD.fx	1:30:00 PM	89899						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHKD.fx	3:30:00 PM	89900						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF	9:30:00 AM	89901						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF	11:30:00 AM	89902						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF	1:30:00 PM	89903						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF	3:30:00 PM	89904						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF.fx	9:30:00 AM	89905						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF.fx	11:30:00 AM	89906						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDHUF.fx	1:30:00 PM	89907						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	USDHUF.fx	3:30:00 PM	89908						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDINR	9:30:00 AM	89909						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDINR	11:30:00 AM	89910						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDINR	1:30:00 PM	89911						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDINR	3:30:00 PM	89912						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY	9:30:00 AM	89913						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY	11:30:00 AM	89914						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY	1:30:00 PM	89915						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY	3:30:00 PM	89916						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY.fx	9:30:00 AM	89917						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY.fx	11:30:00 AM	89918						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY.fx	1:30:00 PM	89919						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDJPY.fx	3:30:00 PM	89920						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDMXN	9:30:00 AM	89921						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDMXN	11:30:00 AM	89922						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDMXN	1:30:00 PM	89923						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDMXN	3:30:00 PM	89924						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JSDMXN.fx	9:30:00 AM	89925						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JSDMXN.fx	11:30:00 AM	89926						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JSDMXN.fx	1:30:00 PM	89927						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	JSDMXN.fx	3:30:00 PM	89928						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK	9:30:00 AM	89929						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK	11:30:00 AM	89930						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK	1:30:00 PM	89931						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK	3:30:00 PM	89932						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK.fx	9:30:00 AM	89933						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK.fx	11:30:00 AM	89934						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK.fx	1:30:00 PM	89935						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDNOK.fx	3:30:00 PM	89936						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDPLN	9:30:00 AM	89937						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDPLN	11:30:00 AM	89938						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDPLN	1:30:00 PM	89939						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDPLN	3:30:00 PM	89940						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDPLN.fx	9:30:00 AM	89941						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	USDPLN.fx	11:30:00 AM	89942						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDPLN.fx	3:30:00 PM	89944						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDRUB	9:30:00 AM	89945						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDRUB	11:30:00 AM	89946						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDRUB	1:30:00 PM	89947						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDRUB	3:30:00 PM	89948						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSEK	9:30:00 AM	89949						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSEK	11:30:00 AM	89950						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSEK	1:30:00 PM	89951						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSEK	3:30:00 PM	89952						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDSEK.fx	11:30:00 AM	89954						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDSGD	11:30:00 AM	89958						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSGD	1:30:00 PM	89959						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDSGD	3:30:00 PM	89960						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDSGD.fx	3:30:00 PM	89964						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDZAR	9:30:00 AM	89965						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDZAR	1:30:00 PM	89967						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	USDZAR	3:30:00 PM	89968						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	USDZAR.fx	3:30:00 PM	89972						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	XAUUSD	9:30:00 AM	89973						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	XAUUSD	11:30:00 AM	89974						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	XAUUSD	1:30:00 PM	89975						Continuous Quote	N/A	ELECTRONIC	N/A

12/15/2019	XAUUSD	3:30:00 PM	89976						Continuous Quote	N/A	ELECTRONIC	N/A
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12/15/2019	ZARJPY	11:30:00 AM	89978						Continuous Quote	N/A	ELECTRONIC	N/A
12/15/2019	ZARJPY	1:30:00 PM	89979						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	#AA	11:30:00 AM	89986						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	#AA	1:30:00 PM	89987						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	AUDCHF.fx	3:30:00 PM	90444						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	AUDHKD	3:30:00 PM	90456						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	AUDUSD	3:30:00 PM	90512						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDUSD.fx	9:30:00 AM	90513						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDUSD.fx	11:30:00 AM	90514						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDUSD.fx	1:30:00 PM	90515						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDUSD.fx	3:30:00 PM	90516						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDZAR	9:30:00 AM	90517						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDZAR	11:30:00 AM	90518						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUDZAR	1:30:00 PM	90519						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	AUDZAR	3:30:00 PM	90520						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUS200.i	9:30:00 AM	90521						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUS200.i	11:30:00 AM	90522						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUS200.i	1:30:00 PM	90523						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	AUS200.i	3:30:00 PM	90524						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	BCHUSD	9:30:00 AM	90525						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	BCHUSD	11:30:00 AM	90526						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	BCHUSD	1:30:00 PM	90527						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	BCHUSD	3:30:00 PM	90528						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF	9:30:00 AM	90529						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF	11:30:00 AM	90530						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF	1:30:00 PM	90531						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF	3:30:00 PM	90532						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF.fx	9:30:00 AM	90533						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF.fx	11:30:00 AM	90534						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF.fx	1:30:00 PM	90535						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCHF.fx	3:30:00 PM	90536						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCZK	9:30:00 AM	90537						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCZK	11:30:00 AM	90538						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCZK	1:30:00 PM	90539						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADCZK	3:30:00 PM	90540						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADDDKK	9:30:00 AM	90541						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADDDKK	11:30:00 AM	90542						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADDDKK	1:30:00 PM	90543						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADDDKK	3:30:00 PM	90544						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHKD	9:30:00 AM	90545						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHKD	11:30:00 AM	90546						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHKD	1:30:00 PM	90547						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHKD	3:30:00 PM	90548						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHUF	9:30:00 AM	90549						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHUF	11:30:00 AM	90550						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHUF	1:30:00 PM	90551						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADHUF	3:30:00 PM	90552						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY	9:30:00 AM	90553						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	CADJPY	11:30:00 AM	90554						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY	1:30:00 PM	90555						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY	3:30:00 PM	90556						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY.fx	9:30:00 AM	90557						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY.fx	11:30:00 AM	90558						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY.fx	1:30:00 PM	90559						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADJPY.fx	3:30:00 PM	90560						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADMXN	9:30:00 AM	90561						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADMXN	11:30:00 AM	90562						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADMXN	1:30:00 PM	90563						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADMXN	3:30:00 PM	90564						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADNOK	9:30:00 AM	90565						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADNOK	11:30:00 AM	90566						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADNOK	1:30:00 PM	90567						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADNOK	3:30:00 PM	90568						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADPLN	9:30:00 AM	90569						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADPLN	11:30:00 AM	90570						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADPLN	1:30:00 PM	90571						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADPLN	3:30:00 PM	90572						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSEK	9:30:00 AM	90573						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSEK	11:30:00 AM	90574						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSEK	1:30:00 PM	90575						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSEK	3:30:00 PM	90576						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSGD	9:30:00 AM	90577						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSGD	11:30:00 AM	90578						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSGD	1:30:00 PM	90579						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADSGD	3:30:00 PM	90580						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADZAR	9:30:00 AM	90581						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADZAR	11:30:00 AM	90582						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADZAR	1:30:00 PM	90583						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CADZAR	3:30:00 PM	90584						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFCZK	9:30:00 AM	90585						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFCZK	11:30:00 AM	90586						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFCZK	1:30:00 PM	90587						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	CHFCZK	3:30:00 PM	90588						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK	9:30:00 AM	90589						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK	11:30:00 AM	90590						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK	1:30:00 PM	90591						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK	3:30:00 PM	90592						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK.fx	9:30:00 AM	90593						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK.fx	11:30:00 AM	90594						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK.fx	1:30:00 PM	90595						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFDKK.fx	3:30:00 PM	90596						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHKD	9:30:00 AM	90597						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHKD	11:30:00 AM	90598						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHKD	1:30:00 PM	90599						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHKD	3:30:00 PM	90600						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHUF	9:30:00 AM	90601						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHUF	11:30:00 AM	90602						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHUF	1:30:00 PM	90603						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFHUF	3:30:00 PM	90604						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY	9:30:00 AM	90605						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY	11:30:00 AM	90606						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY	1:30:00 PM	90607						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY	3:30:00 PM	90608						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY.fx	9:30:00 AM	90609						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY.fx	11:30:00 AM	90610						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY.fx	1:30:00 PM	90611						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFJPY.fx	3:30:00 PM	90612						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFMXN	9:30:00 AM	90613						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFMXN	11:30:00 AM	90614						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFMXN	1:30:00 PM	90615						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFMXN	3:30:00 PM	90616						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK	9:30:00 AM	90617						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK	11:30:00 AM	90618						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK	1:30:00 PM	90619						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK	3:30:00 PM	90620						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK.fx	9:30:00 AM	90621						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	CHFNOK.fx	11:30:00 AM	90622						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK.fx	1:30:00 PM	90623						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFNOK.fx	3:30:00 PM	90624						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN	9:30:00 AM	90625						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN	11:30:00 AM	90626						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN	1:30:00 PM	90627						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN	3:30:00 PM	90628						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN.fx	9:30:00 AM	90629						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN.fx	11:30:00 AM	90630						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN.fx	1:30:00 PM	90631						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFPLN.fx	3:30:00 PM	90632						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSEK	9:30:00 AM	90633						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSEK	11:30:00 AM	90634						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSEK	1:30:00 PM	90635						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSEK	3:30:00 PM	90636						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD	9:30:00 AM	90637						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD	11:30:00 AM	90638						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD	1:30:00 PM	90639						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD	3:30:00 PM	90640						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD.fx	9:30:00 AM	90641						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD.fx	11:30:00 AM	90642						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD.fx	1:30:00 PM	90643						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFSGD.fx	3:30:00 PM	90644						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFZAR	9:30:00 AM	90645						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFZAR	11:30:00 AM	90646						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFZAR	1:30:00 PM	90647						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CHFZAR	3:30:00 PM	90648						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CZKJPY	9:30:00 AM	90649						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CZKJPY	11:30:00 AM	90650						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CZKJPY	1:30:00 PM	90651						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	CZKJPY	3:30:00 PM	90652						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DAX30.i	9:30:00 AM	90653						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DAX30.i	11:30:00 AM	90654						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DAX30.i	1:30:00 PM	90655						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	DAX30.i	3:30:00 PM	90656						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DJ30.i	9:30:00 AM	90657						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DJ30.i	11:30:00 AM	90658						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DJ30.i	1:30:00 PM	90659						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DJ30.i	3:30:00 PM	90660						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DKKJPY	9:30:00 AM	90661						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DKKJPY	11:30:00 AM	90662						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DKKJPY	1:30:00 PM	90663						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	DKKJPY	3:30:00 PM	90664						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD	9:30:00 AM	90665						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD	11:30:00 AM	90666						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD	1:30:00 PM	90667						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD	3:30:00 PM	90668						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD.fx	9:30:00 AM	90669						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD.fx	11:30:00 AM	90670						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD.fx	1:30:00 PM	90671						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURAUD.fx	3:30:00 PM	90672						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD	9:30:00 AM	90673						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD	11:30:00 AM	90674						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD	1:30:00 PM	90675						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD	3:30:00 PM	90676						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD.fx	9:30:00 AM	90677						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD.fx	11:30:00 AM	90678						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD.fx	1:30:00 PM	90679						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCAD.fx	3:30:00 PM	90680						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF	9:30:00 AM	90681						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF	11:30:00 AM	90682						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF	1:30:00 PM	90683						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF	3:30:00 PM	90684						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF.fx	9:30:00 AM	90685						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF.fx	11:30:00 AM	90686						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF.fx	1:30:00 PM	90687						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCHF.fx	3:30:00 PM	90688						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCZK	9:30:00 AM	90689						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	EURCZK	11:30:00 AM	90690						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCZK	1:30:00 PM	90691						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURCZK	3:30:00 PM	90692						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURDKK	9:30:00 AM	90693						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURDKK	11:30:00 AM	90694						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURDKK	1:30:00 PM	90695						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURDKK	3:30:00 PM	90696						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP	9:30:00 AM	90697						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP	11:30:00 AM	90698						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP	1:30:00 PM	90699						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP	3:30:00 PM	90700						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP.fx	9:30:00 AM	90701						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP.fx	11:30:00 AM	90702						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP.fx	1:30:00 PM	90703						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURGBP.fx	3:30:00 PM	90704						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD	9:30:00 AM	90705						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD	11:30:00 AM	90706						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD	1:30:00 PM	90707						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD	3:30:00 PM	90708						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD.fx	9:30:00 AM	90709						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD.fx	11:30:00 AM	90710						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD.fx	1:30:00 PM	90711						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHKD.fx	3:30:00 PM	90712						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF	9:30:00 AM	90713						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF	11:30:00 AM	90714						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF	1:30:00 PM	90715						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF	3:30:00 PM	90716						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF.fx	9:30:00 AM	90717						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF.fx	11:30:00 AM	90718						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF.fx	1:30:00 PM	90719						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURHUF.fx	3:30:00 PM	90720						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY	9:30:00 AM	90721						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY	11:30:00 AM	90722						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY	1:30:00 PM	90723						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	EURJPY	3:30:00 PM	90724						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY.fx	9:30:00 AM	90725						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY.fx	11:30:00 AM	90726						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY.fx	1:30:00 PM	90727						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURJPY.fx	3:30:00 PM	90728						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN	9:30:00 AM	90729						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN	11:30:00 AM	90730						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN	1:30:00 PM	90731						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN	3:30:00 PM	90732						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN.fx	9:30:00 AM	90733						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN.fx	11:30:00 AM	90734						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN.fx	1:30:00 PM	90735						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURMXN.fx	3:30:00 PM	90736						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK	9:30:00 AM	90737						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK	11:30:00 AM	90738						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK	1:30:00 PM	90739						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK	3:30:00 PM	90740						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK.fx	9:30:00 AM	90741						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK.fx	11:30:00 AM	90742						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK.fx	1:30:00 PM	90743						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNOK.fx	3:30:00 PM	90744						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD	9:30:00 AM	90745						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD	11:30:00 AM	90746						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD	1:30:00 PM	90747						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD	3:30:00 PM	90748						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD.fx	9:30:00 AM	90749						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD.fx	11:30:00 AM	90750						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD.fx	1:30:00 PM	90751						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURNZD.fx	3:30:00 PM	90752						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN	9:30:00 AM	90753						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN	11:30:00 AM	90754						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN	1:30:00 PM	90755						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN	3:30:00 PM	90756						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN.fx	9:30:00 AM	90757						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	EURPLN.fx	11:30:00 AM	90758						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN.fx	1:30:00 PM	90759						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURPLN.fx	3:30:00 PM	90760						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURRUB	9:30:00 AM	90761						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURRUB	11:30:00 AM	90762						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURRUB	1:30:00 PM	90763						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURRUB	3:30:00 PM	90764						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK	9:30:00 AM	90765						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK	11:30:00 AM	90766						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK	1:30:00 PM	90767						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK	3:30:00 PM	90768						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK.fx	9:30:00 AM	90769						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK.fx	11:30:00 AM	90770						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK.fx	1:30:00 PM	90771						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSEK.fx	3:30:00 PM	90772						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD	9:30:00 AM	90773						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD	11:30:00 AM	90774						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD	1:30:00 PM	90775						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD	3:30:00 PM	90776						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD.fx	9:30:00 AM	90777						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD.fx	11:30:00 AM	90778						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD.fx	1:30:00 PM	90779						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURSGD.fx	3:30:00 PM	90780						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD	9:30:00 AM	90781						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD	11:30:00 AM	90782						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD	1:30:00 PM	90783						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD	3:30:00 PM	90784						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD.fx	9:30:00 AM	90785						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD.fx	11:30:00 AM	90786						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD.fx	1:30:00 PM	90787						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURUSD.fx	3:30:00 PM	90788						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR	9:30:00 AM	90789						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR	11:30:00 AM	90790						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR	1:30:00 PM	90791						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	EURZAR	3:30:00 PM	90792						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR.fx	9:30:00 AM	90793						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR.fx	11:30:00 AM	90794						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR.fx	1:30:00 PM	90795						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	EURZAR.fx	3:30:00 PM	90796						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD	9:30:00 AM	90797						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD	11:30:00 AM	90798						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD	1:30:00 PM	90799						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD	3:30:00 PM	90800						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD.fx	9:30:00 AM	90801						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD.fx	11:30:00 AM	90802						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD.fx	1:30:00 PM	90803						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPAUD.fx	3:30:00 PM	90804						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD	9:30:00 AM	90805						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD	11:30:00 AM	90806						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD	1:30:00 PM	90807						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD	3:30:00 PM	90808						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD.fx	9:30:00 AM	90809						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD.fx	11:30:00 AM	90810						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD.fx	1:30:00 PM	90811						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCAD.fx	3:30:00 PM	90812						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF	9:30:00 AM	90813						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF	11:30:00 AM	90814						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF	1:30:00 PM	90815						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF	3:30:00 PM	90816						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF.fx	9:30:00 AM	90817						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF.fx	11:30:00 AM	90818						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF.fx	1:30:00 PM	90819						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCHF.fx	3:30:00 PM	90820						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCZK	9:30:00 AM	90821						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCZK	11:30:00 AM	90822						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCZK	1:30:00 PM	90823						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPCZK	3:30:00 PM	90824						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK	9:30:00 AM	90825						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	GBPDKK	11:30:00 AM	90826						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK	1:30:00 PM	90827						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK	3:30:00 PM	90828						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK.fx	9:30:00 AM	90829						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK.fx	11:30:00 AM	90830						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK.fx	1:30:00 PM	90831						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPDKK.fx	3:30:00 PM	90832						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHKD	9:30:00 AM	90833						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHKD	11:30:00 AM	90834						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHKD	1:30:00 PM	90835						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHKD	3:30:00 PM	90836						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHUF	9:30:00 AM	90837						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHUF	11:30:00 AM	90838						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHUF	1:30:00 PM	90839						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPHUF	3:30:00 PM	90840						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY	9:30:00 AM	90841						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY	11:30:00 AM	90842						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY	1:30:00 PM	90843						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY	3:30:00 PM	90844						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY.fx	9:30:00 AM	90845						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY.fx	11:30:00 AM	90846						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY.fx	1:30:00 PM	90847						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPJPY.fx	3:30:00 PM	90848						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPMXN	9:30:00 AM	90849						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPMXN	11:30:00 AM	90850						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPMXN	1:30:00 PM	90851						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPMXN	3:30:00 PM	90852						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK	9:30:00 AM	90853						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK	11:30:00 AM	90854						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK	1:30:00 PM	90855						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK	3:30:00 PM	90856						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK.fx	9:30:00 AM	90857						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK.fx	11:30:00 AM	90858						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNOK.fx	1:30:00 PM	90859						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	GBPNOK.fx	3:30:00 PM	90860						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD	9:30:00 AM	90861						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD	11:30:00 AM	90862						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD	1:30:00 PM	90863						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD	3:30:00 PM	90864						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD.fx	9:30:00 AM	90865						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD.fx	11:30:00 AM	90866						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD.fx	1:30:00 PM	90867						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPNZD.fx	3:30:00 PM	90868						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN	9:30:00 AM	90869						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN	11:30:00 AM	90870						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN	1:30:00 PM	90871						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN	3:30:00 PM	90872						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN.fx	9:30:00 AM	90873						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN.fx	11:30:00 AM	90874						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN.fx	1:30:00 PM	90875						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPPLN.fx	3:30:00 PM	90876						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK	9:30:00 AM	90877						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK	11:30:00 AM	90878						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK	1:30:00 PM	90879						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK	3:30:00 PM	90880						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK.fx	9:30:00 AM	90881						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK.fx	11:30:00 AM	90882						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK.fx	1:30:00 PM	90883						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSEK.fx	3:30:00 PM	90884						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD	9:30:00 AM	90885						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD	11:30:00 AM	90886						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD	1:30:00 PM	90887						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD	3:30:00 PM	90888						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD.fx	9:30:00 AM	90889						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD.fx	11:30:00 AM	90890						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD.fx	1:30:00 PM	90891						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPSGD.fx	3:30:00 PM	90892						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD	9:30:00 AM	90893						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	GBPUSD	11:30:00 AM	90894						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD	1:30:00 PM	90895						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD	3:30:00 PM	90896						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD.fx	9:30:00 AM	90897						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD.fx	11:30:00 AM	90898						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD.fx	1:30:00 PM	90899						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPUSD.fx	3:30:00 PM	90900						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR	9:30:00 AM	90901						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR	11:30:00 AM	90902						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR	1:30:00 PM	90903						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR	3:30:00 PM	90904						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR.fx	9:30:00 AM	90905						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR.fx	11:30:00 AM	90906						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR.fx	1:30:00 PM	90907						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GBPZAR.fx	3:30:00 PM	90908						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GOLD	9:30:00 AM	90909						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GOLD	11:30:00 AM	90910						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GOLD	1:30:00 PM	90911						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	GOLD	3:30:00 PM	90912						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY	9:30:00 AM	90913						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY	11:30:00 AM	90914						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY	1:30:00 PM	90915						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY	3:30:00 PM	90916						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY.fx	9:30:00 AM	90917						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY.fx	11:30:00 AM	90918						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY.fx	1:30:00 PM	90919						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HKDJPY.fx	3:30:00 PM	90920						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HUFJPY	9:30:00 AM	90921						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HUFJPY	11:30:00 AM	90922						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HUFJPY	1:30:00 PM	90923						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	HUFJPY	3:30:00 PM	90924						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JP225.i	9:30:00 AM	90925						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JP225.i	11:30:00 AM	90926						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JP225.i	1:30:00 PM	90927						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	JP225.i	3:30:00 PM	90928						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	MXNJPY	9:30:00 AM	90929						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	MXNJPY	11:30:00 AM	90930						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	MXNJPY	1:30:00 PM	90931						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	MXNJPY	3:30:00 PM	90932						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NASDAQ.i	9:30:00 AM	90933						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NASDAQ.i	11:30:00 AM	90934						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NASDAQ.i	1:30:00 PM	90935						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NASDAQ.i	3:30:00 PM	90936						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY	9:30:00 AM	90937						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY	11:30:00 AM	90938						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY	1:30:00 PM	90939						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY	3:30:00 PM	90940						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY.fx	9:30:00 AM	90941						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY.fx	11:30:00 AM	90942						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY.fx	1:30:00 PM	90943						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NOKJPY.fx	3:30:00 PM	90944						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD	9:30:00 AM	90945						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD	11:30:00 AM	90946						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD	1:30:00 PM	90947						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD	3:30:00 PM	90948						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD.fx	9:30:00 AM	90949						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD.fx	11:30:00 AM	90950						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD.fx	1:30:00 PM	90951						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCAD.fx	3:30:00 PM	90952						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF	9:30:00 AM	90953						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF	11:30:00 AM	90954						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF	1:30:00 PM	90955						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF	3:30:00 PM	90956						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF.fx	9:30:00 AM	90957						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF.fx	11:30:00 AM	90958						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF.fx	1:30:00 PM	90959						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCHF.fx	3:30:00 PM	90960						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCZK	9:30:00 AM	90961						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	NZDCZK	11:30:00 AM	90962						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCZK	1:30:00 PM	90963						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDCZK	3:30:00 PM	90964						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDDKK	9:30:00 AM	90965						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDDKK	11:30:00 AM	90966						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDDKK	1:30:00 PM	90967						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDDKK	3:30:00 PM	90968						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHKD	9:30:00 AM	90969						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHKD	11:30:00 AM	90970						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHKD	1:30:00 PM	90971						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHKD	3:30:00 PM	90972						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHUF	9:30:00 AM	90973						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHUF	11:30:00 AM	90974						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHUF	1:30:00 PM	90975						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDHUF	3:30:00 PM	90976						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY	9:30:00 AM	90977						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY	11:30:00 AM	90978						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY	1:30:00 PM	90979						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY	3:30:00 PM	90980						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY.fx	9:30:00 AM	90981						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY.fx	11:30:00 AM	90982						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY.fx	1:30:00 PM	90983						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDJPY.fx	3:30:00 PM	90984						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDMXN	9:30:00 AM	90985						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDMXN	11:30:00 AM	90986						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDMXN	1:30:00 PM	90987						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDMXN	3:30:00 PM	90988						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDNOK	9:30:00 AM	90989						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDNOK	11:30:00 AM	90990						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDNOK	1:30:00 PM	90991						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDNOK	3:30:00 PM	90992						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDPLN	9:30:00 AM	90993						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDPLN	11:30:00 AM	90994						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDPLN	1:30:00 PM	90995						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	NZDPLN	3:30:00 PM	90996						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSEK	9:30:00 AM	90997						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSEK	11:30:00 AM	90998						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSEK	1:30:00 PM	90999						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSEK	3:30:00 PM	91000						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD	9:30:00 AM	91001						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD	11:30:00 AM	91002						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD	1:30:00 PM	91003						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD	3:30:00 PM	91004						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD.fx	9:30:00 AM	91005						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD.fx	11:30:00 AM	91006						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD.fx	1:30:00 PM	91007						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDSGD.fx	3:30:00 PM	91008						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD	9:30:00 AM	91009						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD	11:30:00 AM	91010						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD	1:30:00 PM	91011						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD	3:30:00 PM	91012						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD.fx	9:30:00 AM	91013						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD.fx	11:30:00 AM	91014						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD.fx	1:30:00 PM	91015						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDUSD.fx	3:30:00 PM	91016						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDZAR	9:30:00 AM	91017						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDZAR	11:30:00 AM	91018						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDZAR	1:30:00 PM	91019						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	NZDZAR	3:30:00 PM	91020						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY	9:30:00 AM	91021						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY	11:30:00 AM	91022						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY	1:30:00 PM	91023						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY	3:30:00 PM	91024						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY.fx	9:30:00 AM	91025						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY.fx	11:30:00 AM	91026						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY.fx	1:30:00 PM	91027						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SEKJPY.fx	3:30:00 PM	91028						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SGDJPY	9:30:00 AM	91029						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	SGDJPY	11:30:00 AM	91030						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SGDJPY	1:30:00 PM	91031						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SGDJPY	3:30:00 PM	91032						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SILVER	9:30:00 AM	91033						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SILVER	11:30:00 AM	91034						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SILVER	1:30:00 PM	91035						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SILVER	3:30:00 PM	91036						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SPX500.i	9:30:00 AM	91037						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SPX500.i	11:30:00 AM	91038						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SPX500.i	1:30:00 PM	91039						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	SPX500.i	3:30:00 PM	91040						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	UK100.i	9:30:00 AM	91041						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	UK100.i	11:30:00 AM	91042						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	UK100.i	1:30:00 PM	91043						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	UK100.i	3:30:00 PM	91044						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD	9:30:00 AM	91045						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD	11:30:00 AM	91046						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD	1:30:00 PM	91047						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD	3:30:00 PM	91048						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD.fx	9:30:00 AM	91049						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD.fx	11:30:00 AM	91050						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD.fx	1:30:00 PM	91051						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCAD.fx	3:30:00 PM	91052						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF	9:30:00 AM	91053						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF	11:30:00 AM	91054						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF	1:30:00 PM	91055						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF	3:30:00 PM	91056						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF.fx	9:30:00 AM	91057						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF.fx	11:30:00 AM	91058						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF.fx	1:30:00 PM	91059						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCHF.fx	3:30:00 PM	91060						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK	9:30:00 AM	91061						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK	11:30:00 AM	91062						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK	1:30:00 PM	91063						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	USDCZK	3:30:00 PM	91064						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK.fx	9:30:00 AM	91065						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK.fx	11:30:00 AM	91066						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK.fx	1:30:00 PM	91067						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDCZK.fx	3:30:00 PM	91068						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK	9:30:00 AM	91069						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK	11:30:00 AM	91070						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK	1:30:00 PM	91071						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK	3:30:00 PM	91072						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK.fx	9:30:00 AM	91073						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK.fx	11:30:00 AM	91074						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK.fx	1:30:00 PM	91075						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDDKK.fx	3:30:00 PM	91076						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD	9:30:00 AM	91077						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD	11:30:00 AM	91078						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD	1:30:00 PM	91079						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD	3:30:00 PM	91080						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD.fx	9:30:00 AM	91081						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD.fx	11:30:00 AM	91082						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD.fx	1:30:00 PM	91083						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHKD.fx	3:30:00 PM	91084						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF	9:30:00 AM	91085						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF	11:30:00 AM	91086						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF	1:30:00 PM	91087						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF	3:30:00 PM	91088						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF.fx	9:30:00 AM	91089						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF.fx	11:30:00 AM	91090						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF.fx	1:30:00 PM	91091						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDHUF.fx	3:30:00 PM	91092						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDINR	9:30:00 AM	91093						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDINR	11:30:00 AM	91094						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDINR	1:30:00 PM	91095						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDINR	3:30:00 PM	91096						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY	9:30:00 AM	91097						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	USDJPY	11:30:00 AM	91098						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY	1:30:00 PM	91099						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY	3:30:00 PM	91100						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY.fx	9:30:00 AM	91101						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY.fx	11:30:00 AM	91102						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY.fx	1:30:00 PM	91103						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDJPY.fx	3:30:00 PM	91104						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDMXN	9:30:00 AM	91105						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDMXN	11:30:00 AM	91106						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDMXN	1:30:00 PM	91107						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDMXN	3:30:00 PM	91108						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JSDMXN.fx	9:30:00 AM	91109						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JSDMXN.fx	11:30:00 AM	91110						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JSDMXN.fx	1:30:00 PM	91111						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	JSDMXN.fx	3:30:00 PM	91112						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK	9:30:00 AM	91113						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK	11:30:00 AM	91114						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK	1:30:00 PM	91115						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK	3:30:00 PM	91116						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK.fx	9:30:00 AM	91117						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK.fx	11:30:00 AM	91118						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK.fx	1:30:00 PM	91119						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDNOK.fx	3:30:00 PM	91120						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN	9:30:00 AM	91121						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN	11:30:00 AM	91122						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN	1:30:00 PM	91123						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN	3:30:00 PM	91124						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN.fx	9:30:00 AM	91125						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDPLN.fx	11:30:00 AM	91126						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	USDPLN.fx	3:30:00 PM	91128						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDRUB	9:30:00 AM	91129						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDRUB	11:30:00 AM	91130						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDRUB	1:30:00 PM	91131						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	USDRUB	3:30:00 PM	91132						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK	9:30:00 AM	91133						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK	11:30:00 AM	91134						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK	1:30:00 PM	91135						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK	3:30:00 PM	91136						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK.fx	9:30:00 AM	91137						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSEK.fx	11:30:00 AM	91138						Continuous Quote	N/A	ELECTRONIC	N/A
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12/16/2019	USDSGD	3:30:00 PM	91144						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSGD.fx	9:30:00 AM	91145						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSGD.fx	11:30:00 AM	91146						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSGD.fx	1:30:00 PM	91147						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDSGD.fx	3:30:00 PM	91148						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR	9:30:00 AM	91149						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR	11:30:00 AM	91150						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR	1:30:00 PM	91151						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR	3:30:00 PM	91152						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR.fx	9:30:00 AM	91153						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR.fx	11:30:00 AM	91154						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR.fx	1:30:00 PM	91155						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	USDZAR.fx	3:30:00 PM	91156						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	XAUUSD	9:30:00 AM	91157						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	XAUUSD	11:30:00 AM	91158						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	XAUUSD	1:30:00 PM	91159						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	XAUUSD	3:30:00 PM	91160						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY	9:30:00 AM	91161						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY	11:30:00 AM	91162						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY	1:30:00 PM	91163						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY	3:30:00 PM	91164						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY.fx	9:30:00 AM	91165						Continuous Quote	N/A	ELECTRONIC	N/A

12/16/2019	ZARJPY.fx	11:30:00 AM	91166						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY.fx	1:30:00 PM	91167						Continuous Quote	N/A	ELECTRONIC	N/A
12/16/2019	ZARJPY.fx	3:30:00 PM	91168						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AA	9:30:00 AM	91169						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AA	11:30:00 AM	91170						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AA	1:30:00 PM	91171						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AA	3:30:00 PM	91172						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AABA	9:30:00 AM	91173						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AABA	11:30:00 AM	91174						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AABA	1:30:00 PM	91175						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AABA	3:30:00 PM	91176						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AAL	9:30:00 AM	91177						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#ADBE	1:30:00 PM	91187						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#ADBE	3:30:00 PM	91188						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AIG	9:30:00 AM	91189						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AIG	11:30:00 AM	91190						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AIG	1:30:00 PM	91191						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AIG	3:30:00 PM	91192						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AMD	9:30:00 AM	91193						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#AMD	1:30:00 PM	91195						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AMD	3:30:00 PM	91196						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AMZN	9:30:00 AM	91197						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AMZN	11:30:00 AM	91198						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AMZN	1:30:00 PM	91199						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	#AMZN	3:30:00 PM	91200						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#AXP	11:30:00 AM	91202						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AXP	1:30:00 PM	91203						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#AXP	3:30:00 PM	91204						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BA	9:30:00 AM	91205						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BA	11:30:00 AM	91206						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BA	1:30:00 PM	91207						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BA	3:30:00 PM	91208						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BABA	9:30:00 AM	91209						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BABA	11:30:00 AM	91210						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BABA	1:30:00 PM	91211						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BABA	3:30:00 PM	91212						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BAC	9:30:00 AM	91213						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BAC	3:30:00 PM	91216						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BARC	9:30:00 AM	91217						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BARC	11:30:00 AM	91218						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BARC	3:30:00 PM	91220						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BHP	9:30:00 AM	91221						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BHP	1:30:00 PM	91223						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BHP	3:30:00 PM	91224						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BIDU	9:30:00 AM	91225						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#Bitcoin	11:30:00 AM	91230						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#Bitcoin	1:30:00 PM	91231						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BK	3:30:00 PM	91236						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BLT	9:30:00 AM	91237						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BLT	11:30:00 AM	91238						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BLT	3:30:00 PM	91240						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#BTA	9:30:00 AM	91245						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BTA	11:30:00 AM	91246						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BTA	1:30:00 PM	91247						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#BTA	3:30:00 PM	91248						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#C	11:30:00 AM	91250						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#CMCSA	3:30:00 PM	91268						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#EBAY	3:30:00 PM	91292						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#Ethereum	1:30:00 PM	91295						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#Ethereum	3:30:00 PM	91296						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#F	3:30:00 PM	91300						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#INTC	3:30:00 PM	91372						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#LLOY	11:30:00 AM	91402						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#POT	1:30:00 PM	91503						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#T	1:30:00 PM	91535						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#TRI	3:30:00 PM	91544						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#TRV	9:30:00 AM	91545						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#TRV	11:30:00 AM	91546						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#UPS	9:30:00 AM	91569						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#UPS	3:30:00 PM	91572						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#V	11:30:00 AM	91578						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	#V	1:30:00 PM	91579						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#WMT	11:30:00 AM	91598						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#YHOO	11:30:00 AM	91606						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	#YHOO	3:30:00 PM	91608						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	AUDCHF	9:30:00 AM	91621						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	AUDCHF.fx	3:30:00 PM	91628						Continuous Quote	N/A	ELECTRONIC	N/A
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12/17/2019	AUDSGD.fx	3:30:00 PM	91692						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD	9:30:00 AM	91693						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD	11:30:00 AM	91694						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD	1:30:00 PM	91695						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD	3:30:00 PM	91696						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD.fx	9:30:00 AM	91697						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD.fx	11:30:00 AM	91698						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD.fx	1:30:00 PM	91699						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDUSD.fx	3:30:00 PM	91700						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDZAR	9:30:00 AM	91701						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDZAR	11:30:00 AM	91702						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDZAR	1:30:00 PM	91703						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUDZAR	3:30:00 PM	91704						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUS200.i	9:30:00 AM	91705						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUS200.i	11:30:00 AM	91706						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUS200.i	1:30:00 PM	91707						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	AUS200.i	3:30:00 PM	91708						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	BCHUSD	9:30:00 AM	91709						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	BCHUSD	11:30:00 AM	91710						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	BCHUSD	1:30:00 PM	91711						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	BCHUSD	3:30:00 PM	91712						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF	9:30:00 AM	91713						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF	11:30:00 AM	91714						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF	1:30:00 PM	91715						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF	3:30:00 PM	91716						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF.fx	9:30:00 AM	91717						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF.fx	11:30:00 AM	91718						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF.fx	1:30:00 PM	91719						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCHF.fx	3:30:00 PM	91720						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCZK	9:30:00 AM	91721						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCZK	11:30:00 AM	91722						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCZK	1:30:00 PM	91723						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADCZK	3:30:00 PM	91724						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADDDKK	9:30:00 AM	91725						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADDDKK	11:30:00 AM	91726						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADDDKK	1:30:00 PM	91727						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADDDKK	3:30:00 PM	91728						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHKD	9:30:00 AM	91729						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHKD	11:30:00 AM	91730						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHKD	1:30:00 PM	91731						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHKD	3:30:00 PM	91732						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHUF	9:30:00 AM	91733						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHUF	11:30:00 AM	91734						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHUF	1:30:00 PM	91735						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADHUF	3:30:00 PM	91736						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY	9:30:00 AM	91737						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY	11:30:00 AM	91738						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY	1:30:00 PM	91739						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY	3:30:00 PM	91740						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY.fx	9:30:00 AM	91741						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY.fx	11:30:00 AM	91742						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADJPY.fx	1:30:00 PM	91743						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	CADJPY.fx	3:30:00 PM	91744						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADMXN	9:30:00 AM	91745						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADMXN	11:30:00 AM	91746						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADMXN	1:30:00 PM	91747						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADMXN	3:30:00 PM	91748						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADNOK	9:30:00 AM	91749						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADNOK	11:30:00 AM	91750						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADNOK	1:30:00 PM	91751						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADNOK	3:30:00 PM	91752						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADPLN	9:30:00 AM	91753						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADPLN	11:30:00 AM	91754						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADPLN	1:30:00 PM	91755						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADPLN	3:30:00 PM	91756						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSEK	9:30:00 AM	91757						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSEK	11:30:00 AM	91758						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSEK	1:30:00 PM	91759						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSEK	3:30:00 PM	91760						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSGD	9:30:00 AM	91761						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSGD	11:30:00 AM	91762						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSGD	1:30:00 PM	91763						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADSGD	3:30:00 PM	91764						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADZAR	9:30:00 AM	91765						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADZAR	11:30:00 AM	91766						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADZAR	1:30:00 PM	91767						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CADZAR	3:30:00 PM	91768						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFCZK	9:30:00 AM	91769						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFCZK	11:30:00 AM	91770						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFCZK	1:30:00 PM	91771						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFCZK	3:30:00 PM	91772						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK	9:30:00 AM	91773						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK	11:30:00 AM	91774						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK	1:30:00 PM	91775						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK	3:30:00 PM	91776						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK.fx	9:30:00 AM	91777						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	CHFDKK.fx	11:30:00 AM	91778						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK.fx	1:30:00 PM	91779						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFDKK.fx	3:30:00 PM	91780						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHKD	9:30:00 AM	91781						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHKD	11:30:00 AM	91782						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHKD	1:30:00 PM	91783						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHKD	3:30:00 PM	91784						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHUF	9:30:00 AM	91785						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHUF	11:30:00 AM	91786						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHUF	1:30:00 PM	91787						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFHUF	3:30:00 PM	91788						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY	9:30:00 AM	91789						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY	11:30:00 AM	91790						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY	1:30:00 PM	91791						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY	3:30:00 PM	91792						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY.fx	9:30:00 AM	91793						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY.fx	11:30:00 AM	91794						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY.fx	1:30:00 PM	91795						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFJPY.fx	3:30:00 PM	91796						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFMXN	9:30:00 AM	91797						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFMXN	11:30:00 AM	91798						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFMXN	1:30:00 PM	91799						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFMXN	3:30:00 PM	91800						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK	9:30:00 AM	91801						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK	11:30:00 AM	91802						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK	1:30:00 PM	91803						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK	3:30:00 PM	91804						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK.fx	9:30:00 AM	91805						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK.fx	11:30:00 AM	91806						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK.fx	1:30:00 PM	91807						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFNOK.fx	3:30:00 PM	91808						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN	9:30:00 AM	91809						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN	11:30:00 AM	91810						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN	1:30:00 PM	91811						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	CHFPLN	3:30:00 PM	91812						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN.fx	9:30:00 AM	91813						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN.fx	11:30:00 AM	91814						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN.fx	1:30:00 PM	91815						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFPLN.fx	3:30:00 PM	91816						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSEK	9:30:00 AM	91817						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSEK	11:30:00 AM	91818						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSEK	1:30:00 PM	91819						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSEK	3:30:00 PM	91820						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD	9:30:00 AM	91821						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD	11:30:00 AM	91822						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD	1:30:00 PM	91823						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD	3:30:00 PM	91824						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD.fx	9:30:00 AM	91825						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD.fx	11:30:00 AM	91826						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD.fx	1:30:00 PM	91827						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFSGD.fx	3:30:00 PM	91828						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFZAR	9:30:00 AM	91829						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFZAR	11:30:00 AM	91830						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFZAR	1:30:00 PM	91831						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CHFZAR	3:30:00 PM	91832						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CZKJPY	9:30:00 AM	91833						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CZKJPY	11:30:00 AM	91834						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CZKJPY	1:30:00 PM	91835						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	CZKJPY	3:30:00 PM	91836						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DAX30.i	9:30:00 AM	91837						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DAX30.i	11:30:00 AM	91838						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DAX30.i	1:30:00 PM	91839						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DAX30.i	3:30:00 PM	91840						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DJ30.i	9:30:00 AM	91841						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DJ30.i	11:30:00 AM	91842						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DJ30.i	1:30:00 PM	91843						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DJ30.i	3:30:00 PM	91844						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DKKJPY	9:30:00 AM	91845						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	DKKJPY	11:30:00 AM	91846						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DKKJPY	1:30:00 PM	91847						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	DKKJPY	3:30:00 PM	91848						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD	9:30:00 AM	91849						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD	11:30:00 AM	91850						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD	1:30:00 PM	91851						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD	3:30:00 PM	91852						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD.fx	9:30:00 AM	91853						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD.fx	11:30:00 AM	91854						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD.fx	1:30:00 PM	91855						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURAUD.fx	3:30:00 PM	91856						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD	9:30:00 AM	91857						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD	11:30:00 AM	91858						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD	1:30:00 PM	91859						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD	3:30:00 PM	91860						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD.fx	9:30:00 AM	91861						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD.fx	11:30:00 AM	91862						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD.fx	1:30:00 PM	91863						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCAD.fx	3:30:00 PM	91864						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF	9:30:00 AM	91865						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF	11:30:00 AM	91866						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF	1:30:00 PM	91867						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF	3:30:00 PM	91868						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF.fx	9:30:00 AM	91869						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF.fx	11:30:00 AM	91870						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF.fx	1:30:00 PM	91871						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCHF.fx	3:30:00 PM	91872						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCZK	9:30:00 AM	91873						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCZK	11:30:00 AM	91874						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCZK	1:30:00 PM	91875						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURCZK	3:30:00 PM	91876						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURDKK	9:30:00 AM	91877						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURDKK	11:30:00 AM	91878						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURDKK	1:30:00 PM	91879						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	EURDKK	3:30:00 PM	91880						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP	9:30:00 AM	91881						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP	11:30:00 AM	91882						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP	1:30:00 PM	91883						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP	3:30:00 PM	91884						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP.fx	9:30:00 AM	91885						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP.fx	11:30:00 AM	91886						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP.fx	1:30:00 PM	91887						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURGBP.fx	3:30:00 PM	91888						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD	9:30:00 AM	91889						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD	11:30:00 AM	91890						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD	1:30:00 PM	91891						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD	3:30:00 PM	91892						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD.fx	9:30:00 AM	91893						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD.fx	11:30:00 AM	91894						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD.fx	1:30:00 PM	91895						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHKD.fx	3:30:00 PM	91896						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF	9:30:00 AM	91897						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF	11:30:00 AM	91898						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF	1:30:00 PM	91899						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF	3:30:00 PM	91900						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF.fx	9:30:00 AM	91901						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF.fx	11:30:00 AM	91902						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF.fx	1:30:00 PM	91903						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURHUF.fx	3:30:00 PM	91904						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY	9:30:00 AM	91905						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY	11:30:00 AM	91906						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY	1:30:00 PM	91907						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY	3:30:00 PM	91908						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY.fx	9:30:00 AM	91909						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY.fx	11:30:00 AM	91910						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY.fx	1:30:00 PM	91911						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURJPY.fx	3:30:00 PM	91912						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN	9:30:00 AM	91913						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	EURMXN	11:30:00 AM	91914						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN	1:30:00 PM	91915						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN	3:30:00 PM	91916						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN.fx	9:30:00 AM	91917						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN.fx	11:30:00 AM	91918						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN.fx	1:30:00 PM	91919						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURMXN.fx	3:30:00 PM	91920						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK	9:30:00 AM	91921						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK	11:30:00 AM	91922						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK	1:30:00 PM	91923						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK	3:30:00 PM	91924						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK.fx	9:30:00 AM	91925						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK.fx	11:30:00 AM	91926						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK.fx	1:30:00 PM	91927						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNOK.fx	3:30:00 PM	91928						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD	9:30:00 AM	91929						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD	11:30:00 AM	91930						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD	1:30:00 PM	91931						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD	3:30:00 PM	91932						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD.fx	9:30:00 AM	91933						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD.fx	11:30:00 AM	91934						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD.fx	1:30:00 PM	91935						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURNZD.fx	3:30:00 PM	91936						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN	9:30:00 AM	91937						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN	11:30:00 AM	91938						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN	1:30:00 PM	91939						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN	3:30:00 PM	91940						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN.fx	9:30:00 AM	91941						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN.fx	11:30:00 AM	91942						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN.fx	1:30:00 PM	91943						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURPLN.fx	3:30:00 PM	91944						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURRUB	9:30:00 AM	91945						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURRUB	11:30:00 AM	91946						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURRUB	1:30:00 PM	91947						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	EURRUB	3:30:00 PM	91948						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK	9:30:00 AM	91949						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK	11:30:00 AM	91950						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK	1:30:00 PM	91951						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK	3:30:00 PM	91952						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK.fx	9:30:00 AM	91953						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK.fx	11:30:00 AM	91954						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK.fx	1:30:00 PM	91955						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSEK.fx	3:30:00 PM	91956						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD	9:30:00 AM	91957						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD	11:30:00 AM	91958						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD	1:30:00 PM	91959						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD	3:30:00 PM	91960						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD.fx	9:30:00 AM	91961						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD.fx	11:30:00 AM	91962						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD.fx	1:30:00 PM	91963						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURSGD.fx	3:30:00 PM	91964						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD	9:30:00 AM	91965						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD	11:30:00 AM	91966						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD	1:30:00 PM	91967						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD	3:30:00 PM	91968						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD.fx	9:30:00 AM	91969						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD.fx	11:30:00 AM	91970						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD.fx	1:30:00 PM	91971						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURUSD.fx	3:30:00 PM	91972						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR	9:30:00 AM	91973						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR	11:30:00 AM	91974						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR	1:30:00 PM	91975						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR	3:30:00 PM	91976						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR.fx	9:30:00 AM	91977						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR.fx	11:30:00 AM	91978						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR.fx	1:30:00 PM	91979						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	EURZAR.fx	3:30:00 PM	91980						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD	9:30:00 AM	91981						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	GBPAUD	11:30:00 AM	91982						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD	1:30:00 PM	91983						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD	3:30:00 PM	91984						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD.fx	9:30:00 AM	91985						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD.fx	11:30:00 AM	91986						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD.fx	1:30:00 PM	91987						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPAUD.fx	3:30:00 PM	91988						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD	9:30:00 AM	91989						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD	11:30:00 AM	91990						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD	1:30:00 PM	91991						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD	3:30:00 PM	91992						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD.fx	9:30:00 AM	91993						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD.fx	11:30:00 AM	91994						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD.fx	1:30:00 PM	91995						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCAD.fx	3:30:00 PM	91996						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF	9:30:00 AM	91997						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF	11:30:00 AM	91998						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF	1:30:00 PM	91999						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF	3:30:00 PM	92000						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF.fx	9:30:00 AM	92001						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF.fx	11:30:00 AM	92002						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF.fx	1:30:00 PM	92003						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCHF.fx	3:30:00 PM	92004						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCZK	9:30:00 AM	92005						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCZK	11:30:00 AM	92006						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCZK	1:30:00 PM	92007						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPCZK	3:30:00 PM	92008						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK	9:30:00 AM	92009						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK	11:30:00 AM	92010						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK	1:30:00 PM	92011						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK	3:30:00 PM	92012						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK.fx	9:30:00 AM	92013						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK.fx	11:30:00 AM	92014						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPDKK.fx	1:30:00 PM	92015						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	GBPDKK.fx	3:30:00 PM	92016						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHKD	9:30:00 AM	92017						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHKD	11:30:00 AM	92018						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHKD	1:30:00 PM	92019						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHKD	3:30:00 PM	92020						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHUF	9:30:00 AM	92021						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHUF	11:30:00 AM	92022						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHUF	1:30:00 PM	92023						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPHUF	3:30:00 PM	92024						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY	9:30:00 AM	92025						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY	11:30:00 AM	92026						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY	1:30:00 PM	92027						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY	3:30:00 PM	92028						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY.fx	9:30:00 AM	92029						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY.fx	11:30:00 AM	92030						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY.fx	1:30:00 PM	92031						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPJPY.fx	3:30:00 PM	92032						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPMXN	9:30:00 AM	92033						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPMXN	11:30:00 AM	92034						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPMXN	1:30:00 PM	92035						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPMXN	3:30:00 PM	92036						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK	9:30:00 AM	92037						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK	11:30:00 AM	92038						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK	1:30:00 PM	92039						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK	3:30:00 PM	92040						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK.fx	9:30:00 AM	92041						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK.fx	11:30:00 AM	92042						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK.fx	1:30:00 PM	92043						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNOK.fx	3:30:00 PM	92044						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD	9:30:00 AM	92045						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD	11:30:00 AM	92046						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD	1:30:00 PM	92047						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD	3:30:00 PM	92048						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD.fx	9:30:00 AM	92049						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	GBPNZD.fx	11:30:00 AM	92050						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD.fx	1:30:00 PM	92051						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPNZD.fx	3:30:00 PM	92052						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN	9:30:00 AM	92053						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN	11:30:00 AM	92054						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN	1:30:00 PM	92055						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN	3:30:00 PM	92056						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN.fx	9:30:00 AM	92057						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN.fx	11:30:00 AM	92058						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN.fx	1:30:00 PM	92059						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPPLN.fx	3:30:00 PM	92060						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK	9:30:00 AM	92061						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK	11:30:00 AM	92062						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK	1:30:00 PM	92063						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK	3:30:00 PM	92064						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK.fx	9:30:00 AM	92065						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK.fx	11:30:00 AM	92066						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK.fx	1:30:00 PM	92067						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSEK.fx	3:30:00 PM	92068						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD	9:30:00 AM	92069						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD	11:30:00 AM	92070						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD	1:30:00 PM	92071						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD	3:30:00 PM	92072						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD.fx	9:30:00 AM	92073						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD.fx	11:30:00 AM	92074						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD.fx	1:30:00 PM	92075						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPSGD.fx	3:30:00 PM	92076						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD	9:30:00 AM	92077						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD	11:30:00 AM	92078						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD	1:30:00 PM	92079						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD	3:30:00 PM	92080						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD.fx	9:30:00 AM	92081						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD.fx	11:30:00 AM	92082						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPUSD.fx	1:30:00 PM	92083						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	GBPUSD.fx	3:30:00 PM	92084						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR	9:30:00 AM	92085						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR	11:30:00 AM	92086						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR	1:30:00 PM	92087						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR	3:30:00 PM	92088						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR.fx	9:30:00 AM	92089						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR.fx	11:30:00 AM	92090						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR.fx	1:30:00 PM	92091						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GBPZAR.fx	3:30:00 PM	92092						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GOLD	9:30:00 AM	92093						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GOLD	11:30:00 AM	92094						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GOLD	1:30:00 PM	92095						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	GOLD	3:30:00 PM	92096						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY	9:30:00 AM	92097						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY	11:30:00 AM	92098						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY	1:30:00 PM	92099						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY	3:30:00 PM	92100						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY.fx	9:30:00 AM	92101						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY.fx	11:30:00 AM	92102						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY.fx	1:30:00 PM	92103						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HKDJPY.fx	3:30:00 PM	92104						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HUFJPY	9:30:00 AM	92105						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HUFJPY	11:30:00 AM	92106						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HUFJPY	1:30:00 PM	92107						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	HUFJPY	3:30:00 PM	92108						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JP225.i	9:30:00 AM	92109						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JP225.i	11:30:00 AM	92110						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JP225.i	1:30:00 PM	92111						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JP225.i	3:30:00 PM	92112						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	MXNJPY	9:30:00 AM	92113						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	MXNJPY	11:30:00 AM	92114						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	MXNJPY	1:30:00 PM	92115						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	MXNJPY	3:30:00 PM	92116						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NASDAQ.i	9:30:00 AM	92117						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	NASDAQ.i	11:30:00 AM	92118						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NASDAQ.i	1:30:00 PM	92119						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NASDAQ.i	3:30:00 PM	92120						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY	9:30:00 AM	92121						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY	11:30:00 AM	92122						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY	1:30:00 PM	92123						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY	3:30:00 PM	92124						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY.fx	9:30:00 AM	92125						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY.fx	11:30:00 AM	92126						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY.fx	1:30:00 PM	92127						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NOKJPY.fx	3:30:00 PM	92128						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD	9:30:00 AM	92129						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD	11:30:00 AM	92130						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD	1:30:00 PM	92131						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD	3:30:00 PM	92132						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD.fx	9:30:00 AM	92133						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD.fx	11:30:00 AM	92134						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD.fx	1:30:00 PM	92135						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCAD.fx	3:30:00 PM	92136						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF	9:30:00 AM	92137						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF	11:30:00 AM	92138						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF	1:30:00 PM	92139						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF	3:30:00 PM	92140						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF.fx	9:30:00 AM	92141						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF.fx	11:30:00 AM	92142						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF.fx	1:30:00 PM	92143						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCHF.fx	3:30:00 PM	92144						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCZK	9:30:00 AM	92145						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCZK	11:30:00 AM	92146						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCZK	1:30:00 PM	92147						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDCZK	3:30:00 PM	92148						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDDKK	9:30:00 AM	92149						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDDKK	11:30:00 AM	92150						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDDKK	1:30:00 PM	92151						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	NZDDKK	3:30:00 PM	92152						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHKD	9:30:00 AM	92153						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHKD	11:30:00 AM	92154						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHKD	1:30:00 PM	92155						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHKD	3:30:00 PM	92156						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHUF	9:30:00 AM	92157						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHUF	11:30:00 AM	92158						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHUF	1:30:00 PM	92159						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDHUF	3:30:00 PM	92160						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY	9:30:00 AM	92161						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY	11:30:00 AM	92162						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY	1:30:00 PM	92163						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY	3:30:00 PM	92164						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY.fx	9:30:00 AM	92165						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY.fx	11:30:00 AM	92166						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY.fx	1:30:00 PM	92167						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDJPY.fx	3:30:00 PM	92168						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDMXN	9:30:00 AM	92169						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDMXN	11:30:00 AM	92170						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDMXN	1:30:00 PM	92171						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDMXN	3:30:00 PM	92172						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDNOK	9:30:00 AM	92173						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDNOK	11:30:00 AM	92174						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDNOK	1:30:00 PM	92175						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDNOK	3:30:00 PM	92176						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDPLN	9:30:00 AM	92177						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDPLN	11:30:00 AM	92178						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDPLN	1:30:00 PM	92179						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDPLN	3:30:00 PM	92180						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSEK	9:30:00 AM	92181						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSEK	11:30:00 AM	92182						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSEK	1:30:00 PM	92183						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSEK	3:30:00 PM	92184						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD	9:30:00 AM	92185						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	NZDSGD	11:30:00 AM	92186						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD	1:30:00 PM	92187						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD	3:30:00 PM	92188						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD.fx	9:30:00 AM	92189						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD.fx	11:30:00 AM	92190						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD.fx	1:30:00 PM	92191						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDSGD.fx	3:30:00 PM	92192						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD	9:30:00 AM	92193						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD	11:30:00 AM	92194						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD	1:30:00 PM	92195						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD	3:30:00 PM	92196						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD.fx	9:30:00 AM	92197						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD.fx	11:30:00 AM	92198						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD.fx	1:30:00 PM	92199						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDUSD.fx	3:30:00 PM	92200						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDZAR	9:30:00 AM	92201						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDZAR	11:30:00 AM	92202						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDZAR	1:30:00 PM	92203						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	NZDZAR	3:30:00 PM	92204						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY	9:30:00 AM	92205						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY	11:30:00 AM	92206						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY	1:30:00 PM	92207						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY	3:30:00 PM	92208						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY.fx	9:30:00 AM	92209						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY.fx	11:30:00 AM	92210						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY.fx	1:30:00 PM	92211						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SEKJPY.fx	3:30:00 PM	92212						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SGDJPY	9:30:00 AM	92213						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SGDJPY	11:30:00 AM	92214						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SGDJPY	1:30:00 PM	92215						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SGDJPY	3:30:00 PM	92216						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SILVER	9:30:00 AM	92217						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SILVER	11:30:00 AM	92218						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SILVER	1:30:00 PM	92219						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	SILVER	3:30:00 PM	92220						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SPX500.i	9:30:00 AM	92221						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SPX500.i	11:30:00 AM	92222						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SPX500.i	1:30:00 PM	92223						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	SPX500.i	3:30:00 PM	92224						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	UK100.i	9:30:00 AM	92225						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	UK100.i	11:30:00 AM	92226						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	UK100.i	1:30:00 PM	92227						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	UK100.i	3:30:00 PM	92228						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD	9:30:00 AM	92229						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD	11:30:00 AM	92230						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD	1:30:00 PM	92231						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD	3:30:00 PM	92232						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD.fx	9:30:00 AM	92233						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD.fx	11:30:00 AM	92234						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD.fx	1:30:00 PM	92235						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCAD.fx	3:30:00 PM	92236						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF	9:30:00 AM	92237						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF	11:30:00 AM	92238						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF	1:30:00 PM	92239						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF	3:30:00 PM	92240						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF.fx	9:30:00 AM	92241						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF.fx	11:30:00 AM	92242						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF.fx	1:30:00 PM	92243						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCHEF.fx	3:30:00 PM	92244						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK	9:30:00 AM	92245						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK	11:30:00 AM	92246						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK	1:30:00 PM	92247						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK	3:30:00 PM	92248						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK.fx	9:30:00 AM	92249						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK.fx	11:30:00 AM	92250						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK.fx	1:30:00 PM	92251						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDCZK.fx	3:30:00 PM	92252						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK	9:30:00 AM	92253						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	USDDKK	11:30:00 AM	92254						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK	1:30:00 PM	92255						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK	3:30:00 PM	92256						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK.fx	9:30:00 AM	92257						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK.fx	11:30:00 AM	92258						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK.fx	1:30:00 PM	92259						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDDKK.fx	3:30:00 PM	92260						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD	9:30:00 AM	92261						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD	11:30:00 AM	92262						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD	1:30:00 PM	92263						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD	3:30:00 PM	92264						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD.fx	9:30:00 AM	92265						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD.fx	11:30:00 AM	92266						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD.fx	1:30:00 PM	92267						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHKD.fx	3:30:00 PM	92268						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF	9:30:00 AM	92269						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF	11:30:00 AM	92270						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF	1:30:00 PM	92271						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF	3:30:00 PM	92272						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF.fx	9:30:00 AM	92273						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF.fx	11:30:00 AM	92274						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF.fx	1:30:00 PM	92275						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDHUF.fx	3:30:00 PM	92276						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDINR	9:30:00 AM	92277						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDINR	11:30:00 AM	92278						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDINR	1:30:00 PM	92279						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDINR	3:30:00 PM	92280						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY	9:30:00 AM	92281						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY	11:30:00 AM	92282						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY	1:30:00 PM	92283						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY	3:30:00 PM	92284						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY.fx	9:30:00 AM	92285						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY.fx	11:30:00 AM	92286						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDJPY.fx	1:30:00 PM	92287						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	USDJPY.fx	3:30:00 PM	92288						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDMXN	9:30:00 AM	92289						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDMXN	11:30:00 AM	92290						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDMXN	1:30:00 PM	92291						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDMXN	3:30:00 PM	92292						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JSDMXN.fx	9:30:00 AM	92293						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JSDMXN.fx	11:30:00 AM	92294						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JSDMXN.fx	1:30:00 PM	92295						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	JSDMXN.fx	3:30:00 PM	92296						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK	9:30:00 AM	92297						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK	11:30:00 AM	92298						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK	1:30:00 PM	92299						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK	3:30:00 PM	92300						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK.fx	9:30:00 AM	92301						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK.fx	11:30:00 AM	92302						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK.fx	1:30:00 PM	92303						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDNOK.fx	3:30:00 PM	92304						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN	9:30:00 AM	92305						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN	11:30:00 AM	92306						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN	1:30:00 PM	92307						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN	3:30:00 PM	92308						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN.fx	9:30:00 AM	92309						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN.fx	11:30:00 AM	92310						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN.fx	1:30:00 PM	92311						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDPLN.fx	3:30:00 PM	92312						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDRUB	9:30:00 AM	92313						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDRUB	11:30:00 AM	92314						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDRUB	1:30:00 PM	92315						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDRUB	3:30:00 PM	92316						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK	9:30:00 AM	92317						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK	11:30:00 AM	92318						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK	1:30:00 PM	92319						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK	3:30:00 PM	92320						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK.fx	9:30:00 AM	92321						Continuous Quote	N/A	ELECTRONIC	N/A

12/17/2019	USDSEK.fx	11:30:00 AM	92322						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK.fx	1:30:00 PM	92323						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSEK.fx	3:30:00 PM	92324						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD	9:30:00 AM	92325						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD	11:30:00 AM	92326						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD	1:30:00 PM	92327						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD	3:30:00 PM	92328						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD.fx	9:30:00 AM	92329						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD.fx	11:30:00 AM	92330						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD.fx	1:30:00 PM	92331						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDSGD.fx	3:30:00 PM	92332						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR	9:30:00 AM	92333						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR	11:30:00 AM	92334						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR	1:30:00 PM	92335						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR	3:30:00 PM	92336						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR.fx	9:30:00 AM	92337						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR.fx	11:30:00 AM	92338						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR.fx	1:30:00 PM	92339						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	USDZAR.fx	3:30:00 PM	92340						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	XAUUSD	9:30:00 AM	92341						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	XAUUSD	11:30:00 AM	92342						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	XAUUSD	1:30:00 PM	92343						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	XAUUSD	3:30:00 PM	92344						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY	9:30:00 AM	92345						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY	11:30:00 AM	92346						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY	1:30:00 PM	92347						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY	3:30:00 PM	92348						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY.fx	9:30:00 AM	92349						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY.fx	11:30:00 AM	92350						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY.fx	1:30:00 PM	92351						Continuous Quote	N/A	ELECTRONIC	N/A
12/17/2019	ZARJPY.fx	3:30:00 PM	92352						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AA	9:30:00 AM	92353						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AA	11:30:00 AM	92354						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#AA	3:30:00 PM	92356						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#AABA	11:30:00 AM	92358						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#AABA	3:30:00 PM	92360						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAL	9:30:00 AM	92361						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAL	11:30:00 AM	92362						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAL	1:30:00 PM	92363						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAL	3:30:00 PM	92364						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAPL	9:30:00 AM	92365						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAPL	11:30:00 AM	92366						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAPL	1:30:00 PM	92367						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AAPL	3:30:00 PM	92368						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#ADBE	9:30:00 AM	92369						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#ADBE	11:30:00 AM	92370						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#ADBE	1:30:00 PM	92371						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#ADBE	3:30:00 PM	92372						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AIG	9:30:00 AM	92373						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AIG	11:30:00 AM	92374						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AIG	1:30:00 PM	92375						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AIG	3:30:00 PM	92376						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMD	9:30:00 AM	92377						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMD	11:30:00 AM	92378						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMD	1:30:00 PM	92379						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMD	3:30:00 PM	92380						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMZN	9:30:00 AM	92381						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMZN	11:30:00 AM	92382						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMZN	1:30:00 PM	92383						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AMZN	3:30:00 PM	92384						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AXP	9:30:00 AM	92385						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AXP	11:30:00 AM	92386						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AXP	1:30:00 PM	92387						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#AXP	3:30:00 PM	92388						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BA	9:30:00 AM	92389						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	#BA	11:30:00 AM	92390						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BA	1:30:00 PM	92391						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BA	3:30:00 PM	92392						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BABA	9:30:00 AM	92393						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BABA	11:30:00 AM	92394						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BABA	1:30:00 PM	92395						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BABA	3:30:00 PM	92396						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BAC	9:30:00 AM	92397						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BAC	11:30:00 AM	92398						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BAC	1:30:00 PM	92399						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BAC	3:30:00 PM	92400						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BARC	9:30:00 AM	92401						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BARC	3:30:00 PM	92404						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BHP	9:30:00 AM	92405						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BHP	11:30:00 AM	92406						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BHP	1:30:00 PM	92407						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BHP	3:30:00 PM	92408						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BIDU	9:30:00 AM	92409						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BIDU	11:30:00 AM	92410						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BIDU	1:30:00 PM	92411						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BIDU	3:30:00 PM	92412						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#Bitcoin	11:30:00 AM	92414						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#Bitcoin	1:30:00 PM	92415						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#Bitcoin	3:30:00 PM	92416						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BK	9:30:00 AM	92417						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BK	11:30:00 AM	92418						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BK	3:30:00 PM	92420						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BLT	9:30:00 AM	92421						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BLT	3:30:00 PM	92424						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BP	11:30:00 AM	92426						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BP	3:30:00 PM	92428						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BTA	9:30:00 AM	92429						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#BTA	1:30:00 PM	92431						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#BTA	3:30:00 PM	92432						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#C	11:30:00 AM	92434						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#C	3:30:00 PM	92436						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#CHL	9:30:00 AM	92441						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#CL.f	9:30:00 AM	92445						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#CL.f	3:30:00 PM	92448						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#CMCSA	11:30:00 AM	92450						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#CSCO	1:30:00 PM	92455						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#DD	9:30:00 AM	92461						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#DD	11:30:00 AM	92462						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#DIS	9:30:00 AM	92465						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	#DIS	11:30:00 AM	92466						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	#UBS	3:30:00 PM	92748						Continuous Quote	N/A	ELECTRONIC	N/A
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12/18/2019	AUDSEK	1:30:00 PM	92863						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSEK	3:30:00 PM	92864						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSEK.fx	9:30:00 AM	92865						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	AUDSEK.fx	11:30:00 AM	92866						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSEK.fx	1:30:00 PM	92867						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSEK.fx	3:30:00 PM	92868						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD	9:30:00 AM	92869						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD	11:30:00 AM	92870						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD	1:30:00 PM	92871						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD	3:30:00 PM	92872						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD.fx	9:30:00 AM	92873						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD.fx	11:30:00 AM	92874						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD.fx	1:30:00 PM	92875						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDSGD.fx	3:30:00 PM	92876						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD	9:30:00 AM	92877						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD	11:30:00 AM	92878						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD	1:30:00 PM	92879						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD	3:30:00 PM	92880						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD.fx	9:30:00 AM	92881						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD.fx	11:30:00 AM	92882						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD.fx	1:30:00 PM	92883						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDUSD.fx	3:30:00 PM	92884						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDZAR	9:30:00 AM	92885						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDZAR	11:30:00 AM	92886						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDZAR	1:30:00 PM	92887						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUDZAR	3:30:00 PM	92888						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUS200.i	9:30:00 AM	92889						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUS200.i	11:30:00 AM	92890						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUS200.i	1:30:00 PM	92891						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	AUS200.i	3:30:00 PM	92892						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	BCHUSD	9:30:00 AM	92893						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	BCHUSD	11:30:00 AM	92894						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	BCHUSD	1:30:00 PM	92895						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	BCHUSD	3:30:00 PM	92896						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF	9:30:00 AM	92897						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF	11:30:00 AM	92898						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF	1:30:00 PM	92899						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	CADCHF	3:30:00 PM	92900						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF.fx	9:30:00 AM	92901						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF.fx	11:30:00 AM	92902						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF.fx	1:30:00 PM	92903						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCHF.fx	3:30:00 PM	92904						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCZK	9:30:00 AM	92905						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCZK	11:30:00 AM	92906						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCZK	1:30:00 PM	92907						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADCZK	3:30:00 PM	92908						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADDDKK	9:30:00 AM	92909						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADDDKK	11:30:00 AM	92910						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADDDKK	1:30:00 PM	92911						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADDDKK	3:30:00 PM	92912						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHKD	9:30:00 AM	92913						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHKD	11:30:00 AM	92914						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHKD	1:30:00 PM	92915						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHKD	3:30:00 PM	92916						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHUF	9:30:00 AM	92917						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHUF	11:30:00 AM	92918						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHUF	1:30:00 PM	92919						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADHUF	3:30:00 PM	92920						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY	9:30:00 AM	92921						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY	11:30:00 AM	92922						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY	1:30:00 PM	92923						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY	3:30:00 PM	92924						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY.fx	9:30:00 AM	92925						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY.fx	11:30:00 AM	92926						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY.fx	1:30:00 PM	92927						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADJPY.fx	3:30:00 PM	92928						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADMXN	9:30:00 AM	92929						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADMXN	11:30:00 AM	92930						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADMXN	1:30:00 PM	92931						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADMXN	3:30:00 PM	92932						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADNOK	9:30:00 AM	92933						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	CADNOK	11:30:00 AM	92934						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADNOK	1:30:00 PM	92935						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADNOK	3:30:00 PM	92936						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADPLN	9:30:00 AM	92937						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADPLN	11:30:00 AM	92938						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADPLN	1:30:00 PM	92939						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADPLN	3:30:00 PM	92940						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSEK	9:30:00 AM	92941						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSEK	11:30:00 AM	92942						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSEK	1:30:00 PM	92943						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSEK	3:30:00 PM	92944						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSGD	9:30:00 AM	92945						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSGD	11:30:00 AM	92946						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSGD	1:30:00 PM	92947						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADSGD	3:30:00 PM	92948						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADZAR	9:30:00 AM	92949						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADZAR	11:30:00 AM	92950						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADZAR	1:30:00 PM	92951						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CADZAR	3:30:00 PM	92952						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFCZK	9:30:00 AM	92953						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFCZK	11:30:00 AM	92954						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFCZK	1:30:00 PM	92955						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFCZK	3:30:00 PM	92956						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK	9:30:00 AM	92957						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK	11:30:00 AM	92958						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK	1:30:00 PM	92959						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK	3:30:00 PM	92960						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK.fx	9:30:00 AM	92961						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK.fx	11:30:00 AM	92962						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK.fx	1:30:00 PM	92963						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFDKK.fx	3:30:00 PM	92964						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHKD	9:30:00 AM	92965						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHKD	11:30:00 AM	92966						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHKD	1:30:00 PM	92967						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	CHFHKD	3:30:00 PM	92968						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHUF	9:30:00 AM	92969						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHUF	11:30:00 AM	92970						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHUF	1:30:00 PM	92971						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFHUF	3:30:00 PM	92972						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY	9:30:00 AM	92973						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY	11:30:00 AM	92974						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY	1:30:00 PM	92975						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY	3:30:00 PM	92976						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY.fx	9:30:00 AM	92977						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY.fx	11:30:00 AM	92978						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY.fx	1:30:00 PM	92979						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFJPY.fx	3:30:00 PM	92980						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFMXN	9:30:00 AM	92981						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFMXN	11:30:00 AM	92982						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFMXN	1:30:00 PM	92983						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFMXN	3:30:00 PM	92984						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK	9:30:00 AM	92985						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK	11:30:00 AM	92986						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK	1:30:00 PM	92987						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK	3:30:00 PM	92988						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK.fx	9:30:00 AM	92989						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK.fx	11:30:00 AM	92990						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK.fx	1:30:00 PM	92991						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFNOK.fx	3:30:00 PM	92992						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN	9:30:00 AM	92993						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN	11:30:00 AM	92994						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN	1:30:00 PM	92995						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN	3:30:00 PM	92996						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN.fx	9:30:00 AM	92997						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN.fx	11:30:00 AM	92998						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN.fx	1:30:00 PM	92999						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFPLN.fx	3:30:00 PM	93000						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSEK	9:30:00 AM	93001						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	CHFSEK	11:30:00 AM	93002						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSEK	1:30:00 PM	93003						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSEK	3:30:00 PM	93004						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD	9:30:00 AM	93005						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD	11:30:00 AM	93006						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD	1:30:00 PM	93007						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD	3:30:00 PM	93008						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD.fx	9:30:00 AM	93009						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD.fx	11:30:00 AM	93010						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD.fx	1:30:00 PM	93011						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFSGD.fx	3:30:00 PM	93012						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFZAR	9:30:00 AM	93013						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFZAR	11:30:00 AM	93014						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFZAR	1:30:00 PM	93015						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CHFZAR	3:30:00 PM	93016						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CZKJPY	9:30:00 AM	93017						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CZKJPY	11:30:00 AM	93018						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CZKJPY	1:30:00 PM	93019						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	CZKJPY	3:30:00 PM	93020						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DAX30.i	9:30:00 AM	93021						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DAX30.i	11:30:00 AM	93022						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DAX30.i	1:30:00 PM	93023						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DAX30.i	3:30:00 PM	93024						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DJ30.i	9:30:00 AM	93025						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DJ30.i	11:30:00 AM	93026						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DJ30.i	1:30:00 PM	93027						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DJ30.i	3:30:00 PM	93028						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DKKJPY	9:30:00 AM	93029						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DKKJPY	11:30:00 AM	93030						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DKKJPY	1:30:00 PM	93031						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	DKKJPY	3:30:00 PM	93032						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD	9:30:00 AM	93033						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD	11:30:00 AM	93034						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD	1:30:00 PM	93035						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	EURAUD	3:30:00 PM	93036						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD.fx	9:30:00 AM	93037						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD.fx	11:30:00 AM	93038						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD.fx	1:30:00 PM	93039						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURAUD.fx	3:30:00 PM	93040						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD	9:30:00 AM	93041						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD	11:30:00 AM	93042						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD	1:30:00 PM	93043						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD	3:30:00 PM	93044						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD.fx	9:30:00 AM	93045						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD.fx	11:30:00 AM	93046						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD.fx	1:30:00 PM	93047						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCAD.fx	3:30:00 PM	93048						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF	9:30:00 AM	93049						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF	11:30:00 AM	93050						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF	1:30:00 PM	93051						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF	3:30:00 PM	93052						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF.fx	9:30:00 AM	93053						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF.fx	11:30:00 AM	93054						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF.fx	1:30:00 PM	93055						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCHF.fx	3:30:00 PM	93056						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCZK	9:30:00 AM	93057						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCZK	11:30:00 AM	93058						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCZK	1:30:00 PM	93059						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURCZK	3:30:00 PM	93060						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURDKK	9:30:00 AM	93061						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURDKK	11:30:00 AM	93062						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURDKK	1:30:00 PM	93063						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURDKK	3:30:00 PM	93064						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP	9:30:00 AM	93065						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP	11:30:00 AM	93066						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP	1:30:00 PM	93067						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP	3:30:00 PM	93068						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP.fx	9:30:00 AM	93069						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	EURGBP.fx	11:30:00 AM	93070						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP.fx	1:30:00 PM	93071						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURGBP.fx	3:30:00 PM	93072						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD	9:30:00 AM	93073						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD	11:30:00 AM	93074						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD	1:30:00 PM	93075						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD	3:30:00 PM	93076						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD.fx	9:30:00 AM	93077						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD.fx	11:30:00 AM	93078						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD.fx	1:30:00 PM	93079						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHKD.fx	3:30:00 PM	93080						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF	9:30:00 AM	93081						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF	11:30:00 AM	93082						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF	1:30:00 PM	93083						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF	3:30:00 PM	93084						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF.fx	9:30:00 AM	93085						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF.fx	11:30:00 AM	93086						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF.fx	1:30:00 PM	93087						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURHUF.fx	3:30:00 PM	93088						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY	9:30:00 AM	93089						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY	11:30:00 AM	93090						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY	1:30:00 PM	93091						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY	3:30:00 PM	93092						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY.fx	9:30:00 AM	93093						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY.fx	11:30:00 AM	93094						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY.fx	1:30:00 PM	93095						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURJPY.fx	3:30:00 PM	93096						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN	9:30:00 AM	93097						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN	11:30:00 AM	93098						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN	1:30:00 PM	93099						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN	3:30:00 PM	93100						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN.fx	9:30:00 AM	93101						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN.fx	11:30:00 AM	93102						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURMXN.fx	1:30:00 PM	93103						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	EURMXN.fx	3:30:00 PM	93104						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK	9:30:00 AM	93105						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK	11:30:00 AM	93106						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK	1:30:00 PM	93107						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK	3:30:00 PM	93108						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK.fx	9:30:00 AM	93109						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK.fx	11:30:00 AM	93110						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK.fx	1:30:00 PM	93111						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNOK.fx	3:30:00 PM	93112						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD	9:30:00 AM	93113						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD	11:30:00 AM	93114						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD	1:30:00 PM	93115						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD	3:30:00 PM	93116						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD.fx	9:30:00 AM	93117						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD.fx	11:30:00 AM	93118						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD.fx	1:30:00 PM	93119						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURNZD.fx	3:30:00 PM	93120						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN	9:30:00 AM	93121						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN	11:30:00 AM	93122						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN	1:30:00 PM	93123						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN	3:30:00 PM	93124						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN.fx	9:30:00 AM	93125						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN.fx	11:30:00 AM	93126						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN.fx	1:30:00 PM	93127						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURPLN.fx	3:30:00 PM	93128						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURRUB	9:30:00 AM	93129						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURRUB	11:30:00 AM	93130						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURRUB	1:30:00 PM	93131						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURRUB	3:30:00 PM	93132						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK	9:30:00 AM	93133						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK	11:30:00 AM	93134						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK	1:30:00 PM	93135						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK	3:30:00 PM	93136						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK.fx	9:30:00 AM	93137						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	EURSEK.fx	11:30:00 AM	93138						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK.fx	1:30:00 PM	93139						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSEK.fx	3:30:00 PM	93140						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD	9:30:00 AM	93141						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD	11:30:00 AM	93142						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD	1:30:00 PM	93143						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD	3:30:00 PM	93144						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD.fx	9:30:00 AM	93145						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD.fx	11:30:00 AM	93146						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD.fx	1:30:00 PM	93147						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURSGD.fx	3:30:00 PM	93148						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD	9:30:00 AM	93149						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD	11:30:00 AM	93150						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD	1:30:00 PM	93151						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD	3:30:00 PM	93152						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD.fx	9:30:00 AM	93153						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD.fx	11:30:00 AM	93154						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD.fx	1:30:00 PM	93155						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURUSD.fx	3:30:00 PM	93156						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR	9:30:00 AM	93157						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR	11:30:00 AM	93158						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR	1:30:00 PM	93159						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR	3:30:00 PM	93160						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR.fx	9:30:00 AM	93161						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR.fx	11:30:00 AM	93162						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR.fx	1:30:00 PM	93163						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	EURZAR.fx	3:30:00 PM	93164						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD	9:30:00 AM	93165						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD	11:30:00 AM	93166						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD	1:30:00 PM	93167						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD	3:30:00 PM	93168						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD.fx	9:30:00 AM	93169						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD.fx	11:30:00 AM	93170						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPAUD.fx	1:30:00 PM	93171						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	GBPAUD.fx	3:30:00 PM	93172						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD	9:30:00 AM	93173						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD	11:30:00 AM	93174						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD	1:30:00 PM	93175						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD	3:30:00 PM	93176						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD.fx	9:30:00 AM	93177						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD.fx	11:30:00 AM	93178						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD.fx	1:30:00 PM	93179						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCAD.fx	3:30:00 PM	93180						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF	9:30:00 AM	93181						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF	11:30:00 AM	93182						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF	1:30:00 PM	93183						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF	3:30:00 PM	93184						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF.fx	9:30:00 AM	93185						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF.fx	11:30:00 AM	93186						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF.fx	1:30:00 PM	93187						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCHF.fx	3:30:00 PM	93188						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCZK	9:30:00 AM	93189						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCZK	11:30:00 AM	93190						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCZK	1:30:00 PM	93191						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPCZK	3:30:00 PM	93192						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK	9:30:00 AM	93193						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK	11:30:00 AM	93194						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK	1:30:00 PM	93195						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK	3:30:00 PM	93196						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK.fx	9:30:00 AM	93197						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK.fx	11:30:00 AM	93198						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK.fx	1:30:00 PM	93199						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPDKK.fx	3:30:00 PM	93200						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHKD	9:30:00 AM	93201						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHKD	11:30:00 AM	93202						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHKD	1:30:00 PM	93203						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHKD	3:30:00 PM	93204						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHUF	9:30:00 AM	93205						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	GBPHUF	11:30:00 AM	93206						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHUF	1:30:00 PM	93207						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPHUF	3:30:00 PM	93208						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY	9:30:00 AM	93209						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY	11:30:00 AM	93210						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY	1:30:00 PM	93211						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY	3:30:00 PM	93212						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY.fx	9:30:00 AM	93213						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY.fx	11:30:00 AM	93214						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY.fx	1:30:00 PM	93215						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPJPY.fx	3:30:00 PM	93216						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPMXN	9:30:00 AM	93217						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPMXN	11:30:00 AM	93218						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPMXN	1:30:00 PM	93219						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPMXN	3:30:00 PM	93220						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK	9:30:00 AM	93221						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK	11:30:00 AM	93222						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK	1:30:00 PM	93223						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK	3:30:00 PM	93224						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK.fx	9:30:00 AM	93225						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK.fx	11:30:00 AM	93226						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK.fx	1:30:00 PM	93227						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNOK.fx	3:30:00 PM	93228						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD	9:30:00 AM	93229						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD	11:30:00 AM	93230						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD	1:30:00 PM	93231						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD	3:30:00 PM	93232						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD.fx	9:30:00 AM	93233						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD.fx	11:30:00 AM	93234						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD.fx	1:30:00 PM	93235						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPNZD.fx	3:30:00 PM	93236						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN	9:30:00 AM	93237						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN	11:30:00 AM	93238						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN	1:30:00 PM	93239						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	GBPPLN	3:30:00 PM	93240						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN.fx	9:30:00 AM	93241						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN.fx	11:30:00 AM	93242						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN.fx	1:30:00 PM	93243						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPPLN.fx	3:30:00 PM	93244						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK	9:30:00 AM	93245						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK	11:30:00 AM	93246						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK	1:30:00 PM	93247						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK	3:30:00 PM	93248						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK.fx	9:30:00 AM	93249						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK.fx	11:30:00 AM	93250						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK.fx	1:30:00 PM	93251						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSEK.fx	3:30:00 PM	93252						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD	9:30:00 AM	93253						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD	11:30:00 AM	93254						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD	1:30:00 PM	93255						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD	3:30:00 PM	93256						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD.fx	9:30:00 AM	93257						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD.fx	11:30:00 AM	93258						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD.fx	1:30:00 PM	93259						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPSGD.fx	3:30:00 PM	93260						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD	9:30:00 AM	93261						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD	11:30:00 AM	93262						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD	1:30:00 PM	93263						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD	3:30:00 PM	93264						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD.fx	9:30:00 AM	93265						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD.fx	11:30:00 AM	93266						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD.fx	1:30:00 PM	93267						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPUSD.fx	3:30:00 PM	93268						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR	9:30:00 AM	93269						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR	11:30:00 AM	93270						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR	1:30:00 PM	93271						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR	3:30:00 PM	93272						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR.fx	9:30:00 AM	93273						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	GBPZAR.fx	11:30:00 AM	93274						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR.fx	1:30:00 PM	93275						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GBPZAR.fx	3:30:00 PM	93276						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GOLD	9:30:00 AM	93277						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GOLD	11:30:00 AM	93278						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GOLD	1:30:00 PM	93279						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	GOLD	3:30:00 PM	93280						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY	9:30:00 AM	93281						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY	11:30:00 AM	93282						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY	1:30:00 PM	93283						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY	3:30:00 PM	93284						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY.fx	9:30:00 AM	93285						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY.fx	11:30:00 AM	93286						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY.fx	1:30:00 PM	93287						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HKDJPY.fx	3:30:00 PM	93288						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HUFJPY	9:30:00 AM	93289						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HUFJPY	11:30:00 AM	93290						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HUFJPY	1:30:00 PM	93291						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	HUFJPY	3:30:00 PM	93292						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	JP225.i	9:30:00 AM	93293						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	JP225.i	11:30:00 AM	93294						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	JP225.i	1:30:00 PM	93295						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	JP225.i	3:30:00 PM	93296						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	MXNJPY	9:30:00 AM	93297						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	MXNJPY	11:30:00 AM	93298						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	MXNJPY	1:30:00 PM	93299						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	MXNJPY	3:30:00 PM	93300						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NASDAQ.i	9:30:00 AM	93301						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NASDAQ.i	11:30:00 AM	93302						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NASDAQ.i	1:30:00 PM	93303						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NASDAQ.i	3:30:00 PM	93304						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY	9:30:00 AM	93305						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY	11:30:00 AM	93306						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY	1:30:00 PM	93307						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	NOKJPY	3:30:00 PM	93308						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY.fx	9:30:00 AM	93309						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY.fx	11:30:00 AM	93310						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY.fx	1:30:00 PM	93311						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NOKJPY.fx	3:30:00 PM	93312						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD	9:30:00 AM	93313						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD	11:30:00 AM	93314						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD	1:30:00 PM	93315						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD	3:30:00 PM	93316						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD.fx	9:30:00 AM	93317						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD.fx	11:30:00 AM	93318						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD.fx	1:30:00 PM	93319						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCAD.fx	3:30:00 PM	93320						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF	9:30:00 AM	93321						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF	11:30:00 AM	93322						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF	1:30:00 PM	93323						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF	3:30:00 PM	93324						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF.fx	9:30:00 AM	93325						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF.fx	11:30:00 AM	93326						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF.fx	1:30:00 PM	93327						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCHF.fx	3:30:00 PM	93328						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCZK	9:30:00 AM	93329						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCZK	11:30:00 AM	93330						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCZK	1:30:00 PM	93331						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDCZK	3:30:00 PM	93332						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDDKK	9:30:00 AM	93333						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDDKK	11:30:00 AM	93334						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDDKK	1:30:00 PM	93335						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDDKK	3:30:00 PM	93336						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHKD	9:30:00 AM	93337						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHKD	11:30:00 AM	93338						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHKD	1:30:00 PM	93339						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHKD	3:30:00 PM	93340						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHUF	9:30:00 AM	93341						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	NZDHUF	11:30:00 AM	93342						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHUF	1:30:00 PM	93343						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDHUF	3:30:00 PM	93344						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY	9:30:00 AM	93345						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY	11:30:00 AM	93346						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY	1:30:00 PM	93347						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY	3:30:00 PM	93348						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY.fx	9:30:00 AM	93349						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY.fx	11:30:00 AM	93350						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY.fx	1:30:00 PM	93351						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDJPY.fx	3:30:00 PM	93352						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDMXN	9:30:00 AM	93353						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDMXN	11:30:00 AM	93354						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDMXN	1:30:00 PM	93355						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDMXN	3:30:00 PM	93356						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDNOK	9:30:00 AM	93357						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDNOK	11:30:00 AM	93358						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDNOK	1:30:00 PM	93359						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDNOK	3:30:00 PM	93360						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDPLN	9:30:00 AM	93361						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDPLN	11:30:00 AM	93362						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDPLN	1:30:00 PM	93363						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDPLN	3:30:00 PM	93364						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSEK	9:30:00 AM	93365						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSEK	11:30:00 AM	93366						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSEK	1:30:00 PM	93367						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSEK	3:30:00 PM	93368						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD	9:30:00 AM	93369						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD	11:30:00 AM	93370						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD	1:30:00 PM	93371						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD	3:30:00 PM	93372						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD.fx	9:30:00 AM	93373						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD.fx	11:30:00 AM	93374						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDSGD.fx	1:30:00 PM	93375						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	NZDSGD.fx	3:30:00 PM	93376						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD	9:30:00 AM	93377						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD	11:30:00 AM	93378						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD	1:30:00 PM	93379						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD	3:30:00 PM	93380						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD.fx	9:30:00 AM	93381						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD.fx	11:30:00 AM	93382						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD.fx	1:30:00 PM	93383						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDUSD.fx	3:30:00 PM	93384						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDZAR	9:30:00 AM	93385						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDZAR	11:30:00 AM	93386						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDZAR	1:30:00 PM	93387						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	NZDZAR	3:30:00 PM	93388						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY	9:30:00 AM	93389						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY	11:30:00 AM	93390						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY	1:30:00 PM	93391						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY	3:30:00 PM	93392						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY.fx	9:30:00 AM	93393						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY.fx	11:30:00 AM	93394						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY.fx	1:30:00 PM	93395						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SEKJPY.fx	3:30:00 PM	93396						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SGDJPY	9:30:00 AM	93397						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SGDJPY	11:30:00 AM	93398						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SGDJPY	1:30:00 PM	93399						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SGDJPY	3:30:00 PM	93400						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SILVER	9:30:00 AM	93401						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SILVER	11:30:00 AM	93402						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SILVER	1:30:00 PM	93403						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SILVER	3:30:00 PM	93404						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SPX500.i	9:30:00 AM	93405						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SPX500.i	11:30:00 AM	93406						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SPX500.i	1:30:00 PM	93407						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	SPX500.i	3:30:00 PM	93408						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	UK100.i	9:30:00 AM	93409						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	UK100.i	11:30:00 AM	93410						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	UK100.i	1:30:00 PM	93411						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	UK100.i	3:30:00 PM	93412						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD	9:30:00 AM	93413						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD	11:30:00 AM	93414						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD	1:30:00 PM	93415						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD	3:30:00 PM	93416						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD.fx	9:30:00 AM	93417						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD.fx	11:30:00 AM	93418						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD.fx	1:30:00 PM	93419						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCAD.fx	3:30:00 PM	93420						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF	9:30:00 AM	93421						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF	11:30:00 AM	93422						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF	1:30:00 PM	93423						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF	3:30:00 PM	93424						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF.fx	9:30:00 AM	93425						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF.fx	11:30:00 AM	93426						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF.fx	1:30:00 PM	93427						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCHF.fx	3:30:00 PM	93428						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK	9:30:00 AM	93429						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK	11:30:00 AM	93430						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK	1:30:00 PM	93431						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK	3:30:00 PM	93432						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK.fx	9:30:00 AM	93433						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK.fx	11:30:00 AM	93434						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK.fx	1:30:00 PM	93435						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDCZK.fx	3:30:00 PM	93436						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK	9:30:00 AM	93437						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK	11:30:00 AM	93438						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK	1:30:00 PM	93439						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK	3:30:00 PM	93440						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK.fx	9:30:00 AM	93441						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK.fx	11:30:00 AM	93442						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDDKK.fx	1:30:00 PM	93443						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	USDDKK.fx	3:30:00 PM	93444						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD	9:30:00 AM	93445						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD	11:30:00 AM	93446						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD	1:30:00 PM	93447						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD	3:30:00 PM	93448						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD.fx	9:30:00 AM	93449						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD.fx	11:30:00 AM	93450						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD.fx	1:30:00 PM	93451						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHKD.fx	3:30:00 PM	93452						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF	9:30:00 AM	93453						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF	11:30:00 AM	93454						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF	1:30:00 PM	93455						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF	3:30:00 PM	93456						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF.fx	9:30:00 AM	93457						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF.fx	11:30:00 AM	93458						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF.fx	1:30:00 PM	93459						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDHUF.fx	3:30:00 PM	93460						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDINR	9:30:00 AM	93461						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDINR	11:30:00 AM	93462						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDINR	1:30:00 PM	93463						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDINR	3:30:00 PM	93464						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY	9:30:00 AM	93465						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY	11:30:00 AM	93466						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY	1:30:00 PM	93467						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY	3:30:00 PM	93468						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY.fx	9:30:00 AM	93469						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY.fx	11:30:00 AM	93470						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY.fx	1:30:00 PM	93471						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDJPY.fx	3:30:00 PM	93472						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN	9:30:00 AM	93473						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN	11:30:00 AM	93474						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN	1:30:00 PM	93475						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN	3:30:00 PM	93476						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	JSDMXN.fx	9:30:00 AM	93477						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	USDMXN.fx	11:30:00 AM	93478						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN.fx	1:30:00 PM	93479						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDMXN.fx	3:30:00 PM	93480						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK	9:30:00 AM	93481						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK	11:30:00 AM	93482						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK	1:30:00 PM	93483						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK	3:30:00 PM	93484						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK.fx	9:30:00 AM	93485						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK.fx	11:30:00 AM	93486						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK.fx	1:30:00 PM	93487						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDNOK.fx	3:30:00 PM	93488						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN	9:30:00 AM	93489						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN	11:30:00 AM	93490						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN	1:30:00 PM	93491						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN	3:30:00 PM	93492						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN.fx	9:30:00 AM	93493						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN.fx	11:30:00 AM	93494						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN.fx	1:30:00 PM	93495						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDPLN.fx	3:30:00 PM	93496						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDRUB	9:30:00 AM	93497						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDRUB	11:30:00 AM	93498						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDRUB	1:30:00 PM	93499						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDRUB	3:30:00 PM	93500						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK	9:30:00 AM	93501						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK	11:30:00 AM	93502						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK	1:30:00 PM	93503						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK	3:30:00 PM	93504						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK.fx	9:30:00 AM	93505						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK.fx	11:30:00 AM	93506						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK.fx	1:30:00 PM	93507						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSEK.fx	3:30:00 PM	93508						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD	9:30:00 AM	93509						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD	11:30:00 AM	93510						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD	1:30:00 PM	93511						Continuous Quote	N/A	ELECTRONIC	N/A

12/18/2019	USDSGD	3:30:00 PM	93512						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD.fx	9:30:00 AM	93513						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD.fx	11:30:00 AM	93514						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD.fx	1:30:00 PM	93515						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDSGD.fx	3:30:00 PM	93516						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR	9:30:00 AM	93517						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR	11:30:00 AM	93518						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR	1:30:00 PM	93519						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR	3:30:00 PM	93520						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR.fx	9:30:00 AM	93521						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR.fx	11:30:00 AM	93522						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR.fx	1:30:00 PM	93523						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	USDZAR.fx	3:30:00 PM	93524						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	XAUUSD	9:30:00 AM	93525						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	XAUUSD	11:30:00 AM	93526						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	XAUUSD	1:30:00 PM	93527						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	XAUUSD	3:30:00 PM	93528						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY	9:30:00 AM	93529						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY	11:30:00 AM	93530						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY	1:30:00 PM	93531						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY	3:30:00 PM	93532						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY.fx	9:30:00 AM	93533						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY.fx	11:30:00 AM	93534						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY.fx	1:30:00 PM	93535						Continuous Quote	N/A	ELECTRONIC	N/A
12/18/2019	ZARJPY.fx	3:30:00 PM	93536						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#AA	1:30:00 PM	93539						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AA	3:30:00 PM	93540						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AABA	9:30:00 AM	93541						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AABA	11:30:00 AM	93542						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AABA	1:30:00 PM	93543						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AABA	3:30:00 PM	93544						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AAL	9:30:00 AM	93545						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	#AAL	11:30:00 AM	93546						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AAL	1:30:00 PM	93547						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AAL	3:30:00 PM	93548						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#AAPL	1:30:00 PM	93551						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AAPL	3:30:00 PM	93552						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#ADBE	9:30:00 AM	93553						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#ADBE	11:30:00 AM	93554						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#ADBE	1:30:00 PM	93555						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#ADBE	3:30:00 PM	93556						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AIG	9:30:00 AM	93557						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#AIG	3:30:00 PM	93560						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMD	9:30:00 AM	93561						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMD	11:30:00 AM	93562						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMD	1:30:00 PM	93563						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMD	3:30:00 PM	93564						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMZN	9:30:00 AM	93565						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMZN	11:30:00 AM	93566						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMZN	1:30:00 PM	93567						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AMZN	3:30:00 PM	93568						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AXP	9:30:00 AM	93569						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AXP	11:30:00 AM	93570						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AXP	1:30:00 PM	93571						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#AXP	3:30:00 PM	93572						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BA	9:30:00 AM	93573						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BA	1:30:00 PM	93575						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BA	3:30:00 PM	93576						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BABA	9:30:00 AM	93577						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BABA	11:30:00 AM	93578						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BABA	1:30:00 PM	93579						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	#BABA	3:30:00 PM	93580						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BAC	9:30:00 AM	93581						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BAC	11:30:00 AM	93582						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BAC	1:30:00 PM	93583						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BAC	3:30:00 PM	93584						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BARC	9:30:00 AM	93585						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BARC	11:30:00 AM	93586						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BARC	3:30:00 PM	93588						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BHP	9:30:00 AM	93589						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BHP	11:30:00 AM	93590						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BHP	1:30:00 PM	93591						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BIDU	11:30:00 AM	93594						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BIDU	1:30:00 PM	93595						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BIDU	3:30:00 PM	93596						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#Bitcoin	9:30:00 AM	93597						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BK	1:30:00 PM	93603						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BLT	9:30:00 AM	93605						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BLT	1:30:00 PM	93607						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BLT	3:30:00 PM	93608						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BP	9:30:00 AM	93609						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#BP	11:30:00 AM	93610						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BTA	11:30:00 AM	93614						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#BTA	3:30:00 PM	93616						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#C	9:30:00 AM	93617						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#C	11:30:00 AM	93618						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#C	1:30:00 PM	93619						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#C	3:30:00 PM	93620						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CAT	9:30:00 AM	93621						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CAT	11:30:00 AM	93622						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CAT	1:30:00 PM	93623						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CAT	3:30:00 PM	93624						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#CHL	3:30:00 PM	93628						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#CMCSA	9:30:00 AM	93633						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CMCSA	11:30:00 AM	93634						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CMCSA	1:30:00 PM	93635						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	#CMCSA	3:30:00 PM	93636						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	#SBUX	3:30:00 PM	93892						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	AUDCHF	3:30:00 PM	93992						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	AUDNOK.fx	1:30:00 PM	94031						Continuous Quote	N/A	ELECTRONIC	N/A
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12/19/2019	AUDNZD	3:30:00 PM	94036						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDNZD.fx	9:30:00 AM	94037						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDNZD.fx	11:30:00 AM	94038						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDNZD.fx	1:30:00 PM	94039						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDNZD.fx	3:30:00 PM	94040						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDPLN	9:30:00 AM	94041						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDPLN	11:30:00 AM	94042						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDPLN	1:30:00 PM	94043						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDPLN	3:30:00 PM	94044						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK	9:30:00 AM	94045						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK	11:30:00 AM	94046						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK	1:30:00 PM	94047						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK	3:30:00 PM	94048						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK.fx	9:30:00 AM	94049						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK.fx	11:30:00 AM	94050						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK.fx	1:30:00 PM	94051						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSEK.fx	3:30:00 PM	94052						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD	9:30:00 AM	94053						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD	11:30:00 AM	94054						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD	1:30:00 PM	94055						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	AUDSGD	3:30:00 PM	94056						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD.fx	9:30:00 AM	94057						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD.fx	11:30:00 AM	94058						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD.fx	1:30:00 PM	94059						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDSGD.fx	3:30:00 PM	94060						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD	9:30:00 AM	94061						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD	11:30:00 AM	94062						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD	1:30:00 PM	94063						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD	3:30:00 PM	94064						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD.fx	9:30:00 AM	94065						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD.fx	11:30:00 AM	94066						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD.fx	1:30:00 PM	94067						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDUSD.fx	3:30:00 PM	94068						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDZAR	9:30:00 AM	94069						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDZAR	11:30:00 AM	94070						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDZAR	1:30:00 PM	94071						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUDZAR	3:30:00 PM	94072						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUS200.i	9:30:00 AM	94073						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUS200.i	11:30:00 AM	94074						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUS200.i	1:30:00 PM	94075						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	AUS200.i	3:30:00 PM	94076						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	BCHUSD	9:30:00 AM	94077						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	BCHUSD	11:30:00 AM	94078						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	BCHUSD	1:30:00 PM	94079						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	BCHUSD	3:30:00 PM	94080						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF	9:30:00 AM	94081						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF	11:30:00 AM	94082						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF	1:30:00 PM	94083						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF	3:30:00 PM	94084						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF.fx	9:30:00 AM	94085						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF.fx	11:30:00 AM	94086						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF.fx	1:30:00 PM	94087						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCHF.fx	3:30:00 PM	94088						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCZK	9:30:00 AM	94089						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	CADCZK	11:30:00 AM	94090						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCZK	1:30:00 PM	94091						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADCZK	3:30:00 PM	94092						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADDDK	9:30:00 AM	94093						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADDDK	11:30:00 AM	94094						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADDDK	1:30:00 PM	94095						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADDDK	3:30:00 PM	94096						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHKD	9:30:00 AM	94097						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHKD	11:30:00 AM	94098						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHKD	1:30:00 PM	94099						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHKD	3:30:00 PM	94100						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHUF	9:30:00 AM	94101						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHUF	11:30:00 AM	94102						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHUF	1:30:00 PM	94103						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADHUF	3:30:00 PM	94104						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY	9:30:00 AM	94105						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY	11:30:00 AM	94106						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY	1:30:00 PM	94107						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY	3:30:00 PM	94108						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY.fx	9:30:00 AM	94109						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY.fx	11:30:00 AM	94110						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY.fx	1:30:00 PM	94111						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADJPY.fx	3:30:00 PM	94112						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADMXN	9:30:00 AM	94113						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADMXN	11:30:00 AM	94114						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADMXN	1:30:00 PM	94115						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADMXN	3:30:00 PM	94116						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADNOK	9:30:00 AM	94117						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADNOK	11:30:00 AM	94118						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADNOK	1:30:00 PM	94119						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADNOK	3:30:00 PM	94120						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADPLN	9:30:00 AM	94121						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADPLN	11:30:00 AM	94122						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADPLN	1:30:00 PM	94123						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	CADPLN	3:30:00 PM	94124						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSEK	9:30:00 AM	94125						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSEK	11:30:00 AM	94126						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSEK	1:30:00 PM	94127						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSEK	3:30:00 PM	94128						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSGD	9:30:00 AM	94129						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSGD	11:30:00 AM	94130						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSGD	1:30:00 PM	94131						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADSGD	3:30:00 PM	94132						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADZAR	9:30:00 AM	94133						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADZAR	11:30:00 AM	94134						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADZAR	1:30:00 PM	94135						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CADZAR	3:30:00 PM	94136						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFCZK	9:30:00 AM	94137						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFCZK	11:30:00 AM	94138						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFCZK	1:30:00 PM	94139						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFCZK	3:30:00 PM	94140						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK	9:30:00 AM	94141						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK	11:30:00 AM	94142						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK	1:30:00 PM	94143						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK	3:30:00 PM	94144						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK.fx	9:30:00 AM	94145						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK.fx	11:30:00 AM	94146						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK.fx	1:30:00 PM	94147						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFDKK.fx	3:30:00 PM	94148						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHKD	9:30:00 AM	94149						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHKD	11:30:00 AM	94150						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHKD	1:30:00 PM	94151						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHKD	3:30:00 PM	94152						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHUF	9:30:00 AM	94153						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHUF	11:30:00 AM	94154						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHUF	1:30:00 PM	94155						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFHUF	3:30:00 PM	94156						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY	9:30:00 AM	94157						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	CHFJPY	11:30:00 AM	94158						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY	1:30:00 PM	94159						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY	3:30:00 PM	94160						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY.fx	9:30:00 AM	94161						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY.fx	11:30:00 AM	94162						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY.fx	1:30:00 PM	94163						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFJPY.fx	3:30:00 PM	94164						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFMXN	9:30:00 AM	94165						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFMXN	11:30:00 AM	94166						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFMXN	1:30:00 PM	94167						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFMXN	3:30:00 PM	94168						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK	9:30:00 AM	94169						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK	11:30:00 AM	94170						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK	1:30:00 PM	94171						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK	3:30:00 PM	94172						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK.fx	9:30:00 AM	94173						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK.fx	11:30:00 AM	94174						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK.fx	1:30:00 PM	94175						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFNOK.fx	3:30:00 PM	94176						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN	9:30:00 AM	94177						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN	11:30:00 AM	94178						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN	1:30:00 PM	94179						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN	3:30:00 PM	94180						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN.fx	9:30:00 AM	94181						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN.fx	11:30:00 AM	94182						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN.fx	1:30:00 PM	94183						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFPLN.fx	3:30:00 PM	94184						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSEK	9:30:00 AM	94185						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSEK	11:30:00 AM	94186						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSEK	1:30:00 PM	94187						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSEK	3:30:00 PM	94188						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD	9:30:00 AM	94189						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD	11:30:00 AM	94190						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD	1:30:00 PM	94191						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	CHFSGD	3:30:00 PM	94192						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD.fx	9:30:00 AM	94193						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD.fx	11:30:00 AM	94194						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD.fx	1:30:00 PM	94195						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFSGD.fx	3:30:00 PM	94196						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFZAR	9:30:00 AM	94197						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFZAR	11:30:00 AM	94198						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFZAR	1:30:00 PM	94199						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CHFZAR	3:30:00 PM	94200						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CZKJPY	9:30:00 AM	94201						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CZKJPY	11:30:00 AM	94202						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CZKJPY	1:30:00 PM	94203						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	CZKJPY	3:30:00 PM	94204						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DAX30.i	9:30:00 AM	94205						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DAX30.i	11:30:00 AM	94206						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DAX30.i	1:30:00 PM	94207						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DAX30.i	3:30:00 PM	94208						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DJ30.i	9:30:00 AM	94209						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DJ30.i	11:30:00 AM	94210						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DJ30.i	1:30:00 PM	94211						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DJ30.i	3:30:00 PM	94212						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DKKJPY	9:30:00 AM	94213						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DKKJPY	11:30:00 AM	94214						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DKKJPY	1:30:00 PM	94215						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	DKKJPY	3:30:00 PM	94216						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD	9:30:00 AM	94217						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD	11:30:00 AM	94218						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD	1:30:00 PM	94219						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD	3:30:00 PM	94220						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD.fx	9:30:00 AM	94221						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD.fx	11:30:00 AM	94222						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD.fx	1:30:00 PM	94223						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURAUD.fx	3:30:00 PM	94224						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD	9:30:00 AM	94225						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	EURCAD	11:30:00 AM	94226						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD	1:30:00 PM	94227						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD	3:30:00 PM	94228						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD.fx	9:30:00 AM	94229						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD.fx	11:30:00 AM	94230						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD.fx	1:30:00 PM	94231						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCAD.fx	3:30:00 PM	94232						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF	9:30:00 AM	94233						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF	11:30:00 AM	94234						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF	1:30:00 PM	94235						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF	3:30:00 PM	94236						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF.fx	9:30:00 AM	94237						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF.fx	11:30:00 AM	94238						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF.fx	1:30:00 PM	94239						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCHF.fx	3:30:00 PM	94240						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCZK	9:30:00 AM	94241						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCZK	11:30:00 AM	94242						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCZK	1:30:00 PM	94243						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURCZK	3:30:00 PM	94244						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURDKK	9:30:00 AM	94245						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURDKK	11:30:00 AM	94246						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURDKK	1:30:00 PM	94247						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURDKK	3:30:00 PM	94248						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP	9:30:00 AM	94249						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP	11:30:00 AM	94250						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP	1:30:00 PM	94251						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP	3:30:00 PM	94252						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP.fx	9:30:00 AM	94253						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP.fx	11:30:00 AM	94254						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP.fx	1:30:00 PM	94255						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURGBP.fx	3:30:00 PM	94256						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD	9:30:00 AM	94257						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD	11:30:00 AM	94258						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD	1:30:00 PM	94259						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	EURHKD	3:30:00 PM	94260						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD.fx	9:30:00 AM	94261						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD.fx	11:30:00 AM	94262						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD.fx	1:30:00 PM	94263						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHKD.fx	3:30:00 PM	94264						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF	9:30:00 AM	94265						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF	11:30:00 AM	94266						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF	1:30:00 PM	94267						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF	3:30:00 PM	94268						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF.fx	9:30:00 AM	94269						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF.fx	11:30:00 AM	94270						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF.fx	1:30:00 PM	94271						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURHUF.fx	3:30:00 PM	94272						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY	9:30:00 AM	94273						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY	11:30:00 AM	94274						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY	1:30:00 PM	94275						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY	3:30:00 PM	94276						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY.fx	9:30:00 AM	94277						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY.fx	11:30:00 AM	94278						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY.fx	1:30:00 PM	94279						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURJPY.fx	3:30:00 PM	94280						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN	9:30:00 AM	94281						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN	11:30:00 AM	94282						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN	1:30:00 PM	94283						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN	3:30:00 PM	94284						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN.fx	9:30:00 AM	94285						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN.fx	11:30:00 AM	94286						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN.fx	1:30:00 PM	94287						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURMXN.fx	3:30:00 PM	94288						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK	9:30:00 AM	94289						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK	11:30:00 AM	94290						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK	1:30:00 PM	94291						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK	3:30:00 PM	94292						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK.fx	9:30:00 AM	94293						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	EURNOK.fx	11:30:00 AM	94294						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK.fx	1:30:00 PM	94295						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNOK.fx	3:30:00 PM	94296						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD	9:30:00 AM	94297						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD	11:30:00 AM	94298						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD	1:30:00 PM	94299						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD	3:30:00 PM	94300						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD.fx	9:30:00 AM	94301						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD.fx	11:30:00 AM	94302						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD.fx	1:30:00 PM	94303						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURNZD.fx	3:30:00 PM	94304						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN	9:30:00 AM	94305						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN	11:30:00 AM	94306						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN	1:30:00 PM	94307						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN	3:30:00 PM	94308						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN.fx	9:30:00 AM	94309						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN.fx	11:30:00 AM	94310						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN.fx	1:30:00 PM	94311						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURPLN.fx	3:30:00 PM	94312						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURRUB	9:30:00 AM	94313						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURRUB	11:30:00 AM	94314						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURRUB	1:30:00 PM	94315						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURRUB	3:30:00 PM	94316						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK	9:30:00 AM	94317						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK	11:30:00 AM	94318						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK	1:30:00 PM	94319						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK	3:30:00 PM	94320						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK.fx	9:30:00 AM	94321						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK.fx	11:30:00 AM	94322						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK.fx	1:30:00 PM	94323						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSEK.fx	3:30:00 PM	94324						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD	9:30:00 AM	94325						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD	11:30:00 AM	94326						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD	1:30:00 PM	94327						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	EURSGD	3:30:00 PM	94328						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD.fx	9:30:00 AM	94329						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD.fx	11:30:00 AM	94330						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD.fx	1:30:00 PM	94331						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURSGD.fx	3:30:00 PM	94332						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD	9:30:00 AM	94333						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD	11:30:00 AM	94334						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD	1:30:00 PM	94335						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD	3:30:00 PM	94336						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD.fx	9:30:00 AM	94337						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD.fx	11:30:00 AM	94338						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD.fx	1:30:00 PM	94339						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURUSD.fx	3:30:00 PM	94340						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR	9:30:00 AM	94341						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR	11:30:00 AM	94342						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR	1:30:00 PM	94343						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR	3:30:00 PM	94344						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR.fx	9:30:00 AM	94345						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR.fx	11:30:00 AM	94346						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR.fx	1:30:00 PM	94347						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	EURZAR.fx	3:30:00 PM	94348						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD	9:30:00 AM	94349						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD	11:30:00 AM	94350						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD	1:30:00 PM	94351						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD	3:30:00 PM	94352						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD.fx	9:30:00 AM	94353						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD.fx	11:30:00 AM	94354						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD.fx	1:30:00 PM	94355						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPAUD.fx	3:30:00 PM	94356						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD	9:30:00 AM	94357						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD	11:30:00 AM	94358						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD	1:30:00 PM	94359						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD	3:30:00 PM	94360						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD.fx	9:30:00 AM	94361						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	GBPCAD.fx	11:30:00 AM	94362						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD.fx	1:30:00 PM	94363						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCAD.fx	3:30:00 PM	94364						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF	9:30:00 AM	94365						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF	11:30:00 AM	94366						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF	1:30:00 PM	94367						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF	3:30:00 PM	94368						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF.fx	9:30:00 AM	94369						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF.fx	11:30:00 AM	94370						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF.fx	1:30:00 PM	94371						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCHF.fx	3:30:00 PM	94372						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCZK	9:30:00 AM	94373						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCZK	11:30:00 AM	94374						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCZK	1:30:00 PM	94375						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPCZK	3:30:00 PM	94376						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK	9:30:00 AM	94377						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK	11:30:00 AM	94378						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK	1:30:00 PM	94379						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK	3:30:00 PM	94380						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK.fx	9:30:00 AM	94381						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK.fx	11:30:00 AM	94382						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK.fx	1:30:00 PM	94383						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPDKK.fx	3:30:00 PM	94384						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHKD	9:30:00 AM	94385						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHKD	11:30:00 AM	94386						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHKD	1:30:00 PM	94387						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHKD	3:30:00 PM	94388						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHUF	9:30:00 AM	94389						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHUF	11:30:00 AM	94390						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHUF	1:30:00 PM	94391						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPHUF	3:30:00 PM	94392						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY	9:30:00 AM	94393						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY	11:30:00 AM	94394						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY	1:30:00 PM	94395						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	GBPJPY	3:30:00 PM	94396						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY.fx	9:30:00 AM	94397						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY.fx	11:30:00 AM	94398						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY.fx	1:30:00 PM	94399						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPJPY.fx	3:30:00 PM	94400						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPMXN	9:30:00 AM	94401						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPMXN	11:30:00 AM	94402						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPMXN	1:30:00 PM	94403						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPMXN	3:30:00 PM	94404						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK	9:30:00 AM	94405						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK	11:30:00 AM	94406						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK	1:30:00 PM	94407						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK	3:30:00 PM	94408						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK.fx	9:30:00 AM	94409						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK.fx	11:30:00 AM	94410						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK.fx	1:30:00 PM	94411						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNOK.fx	3:30:00 PM	94412						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD	9:30:00 AM	94413						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD	11:30:00 AM	94414						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD	1:30:00 PM	94415						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD	3:30:00 PM	94416						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD.fx	9:30:00 AM	94417						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD.fx	11:30:00 AM	94418						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD.fx	1:30:00 PM	94419						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPNZD.fx	3:30:00 PM	94420						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN	9:30:00 AM	94421						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN	11:30:00 AM	94422						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN	1:30:00 PM	94423						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN	3:30:00 PM	94424						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN.fx	9:30:00 AM	94425						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN.fx	11:30:00 AM	94426						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN.fx	1:30:00 PM	94427						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPPLN.fx	3:30:00 PM	94428						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK	9:30:00 AM	94429						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	GBPSEK	11:30:00 AM	94430						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK	1:30:00 PM	94431						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK	3:30:00 PM	94432						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK.fx	9:30:00 AM	94433						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK.fx	11:30:00 AM	94434						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK.fx	1:30:00 PM	94435						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSEK.fx	3:30:00 PM	94436						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD	9:30:00 AM	94437						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD	11:30:00 AM	94438						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD	1:30:00 PM	94439						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD	3:30:00 PM	94440						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD.fx	9:30:00 AM	94441						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD.fx	11:30:00 AM	94442						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD.fx	1:30:00 PM	94443						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPSGD.fx	3:30:00 PM	94444						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD	9:30:00 AM	94445						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD	11:30:00 AM	94446						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD	1:30:00 PM	94447						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD	3:30:00 PM	94448						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD.fx	9:30:00 AM	94449						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD.fx	11:30:00 AM	94450						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD.fx	1:30:00 PM	94451						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPUSD.fx	3:30:00 PM	94452						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR	9:30:00 AM	94453						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR	11:30:00 AM	94454						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR	1:30:00 PM	94455						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR	3:30:00 PM	94456						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR.fx	9:30:00 AM	94457						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR.fx	11:30:00 AM	94458						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR.fx	1:30:00 PM	94459						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GBPZAR.fx	3:30:00 PM	94460						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GOLD	9:30:00 AM	94461						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GOLD	11:30:00 AM	94462						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	GOLD	1:30:00 PM	94463						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	GOLD	3:30:00 PM	94464						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY	9:30:00 AM	94465						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY	11:30:00 AM	94466						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY	1:30:00 PM	94467						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY	3:30:00 PM	94468						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY.fx	9:30:00 AM	94469						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY.fx	11:30:00 AM	94470						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY.fx	1:30:00 PM	94471						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HKDJPY.fx	3:30:00 PM	94472						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HUFJPY	9:30:00 AM	94473						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HUFJPY	11:30:00 AM	94474						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HUFJPY	1:30:00 PM	94475						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	HUFJPY	3:30:00 PM	94476						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JP225.i	9:30:00 AM	94477						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JP225.i	11:30:00 AM	94478						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JP225.i	1:30:00 PM	94479						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JP225.i	3:30:00 PM	94480						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	MXNJPY	9:30:00 AM	94481						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	MXNJPY	11:30:00 AM	94482						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	MXNJPY	1:30:00 PM	94483						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	MXNJPY	3:30:00 PM	94484						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NASDAQ.i	9:30:00 AM	94485						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NASDAQ.i	11:30:00 AM	94486						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NASDAQ.i	1:30:00 PM	94487						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NASDAQ.i	3:30:00 PM	94488						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY	9:30:00 AM	94489						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY	11:30:00 AM	94490						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY	1:30:00 PM	94491						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY	3:30:00 PM	94492						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY.fx	9:30:00 AM	94493						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY.fx	11:30:00 AM	94494						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY.fx	1:30:00 PM	94495						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NOKJPY.fx	3:30:00 PM	94496						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD	9:30:00 AM	94497						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	NZDCAD	11:30:00 AM	94498						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD	1:30:00 PM	94499						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD	3:30:00 PM	94500						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD.fx	9:30:00 AM	94501						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD.fx	11:30:00 AM	94502						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD.fx	1:30:00 PM	94503						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCAD.fx	3:30:00 PM	94504						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF	9:30:00 AM	94505						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF	11:30:00 AM	94506						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF	1:30:00 PM	94507						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF	3:30:00 PM	94508						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF.fx	9:30:00 AM	94509						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF.fx	11:30:00 AM	94510						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF.fx	1:30:00 PM	94511						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCHF.fx	3:30:00 PM	94512						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCZK	9:30:00 AM	94513						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCZK	11:30:00 AM	94514						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCZK	1:30:00 PM	94515						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDCZK	3:30:00 PM	94516						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDDKK	9:30:00 AM	94517						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDDKK	11:30:00 AM	94518						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDDKK	1:30:00 PM	94519						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDDKK	3:30:00 PM	94520						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHKD	9:30:00 AM	94521						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHKD	11:30:00 AM	94522						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHKD	1:30:00 PM	94523						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHKD	3:30:00 PM	94524						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHUF	9:30:00 AM	94525						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHUF	11:30:00 AM	94526						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHUF	1:30:00 PM	94527						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDHUF	3:30:00 PM	94528						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY	9:30:00 AM	94529						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY	11:30:00 AM	94530						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY	1:30:00 PM	94531						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	NZDJPY	3:30:00 PM	94532						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY.fx	9:30:00 AM	94533						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY.fx	11:30:00 AM	94534						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY.fx	1:30:00 PM	94535						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDJPY.fx	3:30:00 PM	94536						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDMXN	9:30:00 AM	94537						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDMXN	11:30:00 AM	94538						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDMXN	1:30:00 PM	94539						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDMXN	3:30:00 PM	94540						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDNOK	9:30:00 AM	94541						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDNOK	11:30:00 AM	94542						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDNOK	1:30:00 PM	94543						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDNOK	3:30:00 PM	94544						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDPLN	9:30:00 AM	94545						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDPLN	11:30:00 AM	94546						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDPLN	1:30:00 PM	94547						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDPLN	3:30:00 PM	94548						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSEK	9:30:00 AM	94549						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSEK	11:30:00 AM	94550						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSEK	1:30:00 PM	94551						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSEK	3:30:00 PM	94552						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD	9:30:00 AM	94553						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD	11:30:00 AM	94554						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD	1:30:00 PM	94555						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD	3:30:00 PM	94556						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD.fx	9:30:00 AM	94557						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD.fx	11:30:00 AM	94558						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD.fx	1:30:00 PM	94559						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDSGD.fx	3:30:00 PM	94560						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD	9:30:00 AM	94561						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD	11:30:00 AM	94562						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD	1:30:00 PM	94563						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD	3:30:00 PM	94564						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD.fx	9:30:00 AM	94565						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	NZDUSD.fx	11:30:00 AM	94566						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD.fx	1:30:00 PM	94567						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDUSD.fx	3:30:00 PM	94568						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDZAR	9:30:00 AM	94569						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDZAR	11:30:00 AM	94570						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDZAR	1:30:00 PM	94571						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	NZDZAR	3:30:00 PM	94572						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY	9:30:00 AM	94573						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY	11:30:00 AM	94574						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY	1:30:00 PM	94575						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY	3:30:00 PM	94576						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY.fx	9:30:00 AM	94577						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY.fx	11:30:00 AM	94578						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY.fx	1:30:00 PM	94579						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SEKJPY.fx	3:30:00 PM	94580						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SGDJPY	9:30:00 AM	94581						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SGDJPY	11:30:00 AM	94582						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SGDJPY	1:30:00 PM	94583						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SGDJPY	3:30:00 PM	94584						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SILVER	9:30:00 AM	94585						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SILVER	11:30:00 AM	94586						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SILVER	1:30:00 PM	94587						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SILVER	3:30:00 PM	94588						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SPX500.i	9:30:00 AM	94589						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SPX500.i	11:30:00 AM	94590						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SPX500.i	1:30:00 PM	94591						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	SPX500.i	3:30:00 PM	94592						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	UK100.i	9:30:00 AM	94593						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	UK100.i	11:30:00 AM	94594						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	UK100.i	1:30:00 PM	94595						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	UK100.i	3:30:00 PM	94596						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD	9:30:00 AM	94597						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD	11:30:00 AM	94598						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD	1:30:00 PM	94599						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	USDCAD	3:30:00 PM	94600						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD.fx	9:30:00 AM	94601						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD.fx	11:30:00 AM	94602						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD.fx	1:30:00 PM	94603						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCAD.fx	3:30:00 PM	94604						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF	9:30:00 AM	94605						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF	11:30:00 AM	94606						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF	1:30:00 PM	94607						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF	3:30:00 PM	94608						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF.fx	9:30:00 AM	94609						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF.fx	11:30:00 AM	94610						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF.fx	1:30:00 PM	94611						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCHEF.fx	3:30:00 PM	94612						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK	9:30:00 AM	94613						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK	11:30:00 AM	94614						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK	1:30:00 PM	94615						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK	3:30:00 PM	94616						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK.fx	9:30:00 AM	94617						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK.fx	11:30:00 AM	94618						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK.fx	1:30:00 PM	94619						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDCZK.fx	3:30:00 PM	94620						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK	9:30:00 AM	94621						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK	11:30:00 AM	94622						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK	1:30:00 PM	94623						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK	3:30:00 PM	94624						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK.fx	9:30:00 AM	94625						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK.fx	11:30:00 AM	94626						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK.fx	1:30:00 PM	94627						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDDKK.fx	3:30:00 PM	94628						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD	9:30:00 AM	94629						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD	11:30:00 AM	94630						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD	1:30:00 PM	94631						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD	3:30:00 PM	94632						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD.fx	9:30:00 AM	94633						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	USDHKD.fx	11:30:00 AM	94634						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD.fx	1:30:00 PM	94635						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHKD.fx	3:30:00 PM	94636						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF	9:30:00 AM	94637						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF	11:30:00 AM	94638						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF	1:30:00 PM	94639						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF	3:30:00 PM	94640						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF.fx	9:30:00 AM	94641						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF.fx	11:30:00 AM	94642						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF.fx	1:30:00 PM	94643						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDHUF.fx	3:30:00 PM	94644						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDINR	9:30:00 AM	94645						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDINR	11:30:00 AM	94646						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDINR	1:30:00 PM	94647						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDINR	3:30:00 PM	94648						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY	9:30:00 AM	94649						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY	11:30:00 AM	94650						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY	1:30:00 PM	94651						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY	3:30:00 PM	94652						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY.fx	9:30:00 AM	94653						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY.fx	11:30:00 AM	94654						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY.fx	1:30:00 PM	94655						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDJPY.fx	3:30:00 PM	94656						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDMXN	9:30:00 AM	94657						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDMXN	11:30:00 AM	94658						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDMXN	1:30:00 PM	94659						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDMXN	3:30:00 PM	94660						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JSDMXN.fx	9:30:00 AM	94661						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JSDMXN.fx	11:30:00 AM	94662						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JSDMXN.fx	1:30:00 PM	94663						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	JSDMXN.fx	3:30:00 PM	94664						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK	9:30:00 AM	94665						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK	11:30:00 AM	94666						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK	1:30:00 PM	94667						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	USDNOK	3:30:00 PM	94668						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK.fx	9:30:00 AM	94669						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK.fx	11:30:00 AM	94670						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK.fx	1:30:00 PM	94671						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDNOK.fx	3:30:00 PM	94672						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN	9:30:00 AM	94673						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN	11:30:00 AM	94674						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN	1:30:00 PM	94675						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN	3:30:00 PM	94676						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN.fx	9:30:00 AM	94677						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN.fx	11:30:00 AM	94678						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN.fx	1:30:00 PM	94679						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDPLN.fx	3:30:00 PM	94680						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDRUB	9:30:00 AM	94681						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDRUB	11:30:00 AM	94682						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDRUB	1:30:00 PM	94683						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDRUB	3:30:00 PM	94684						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK	9:30:00 AM	94685						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK	11:30:00 AM	94686						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK	1:30:00 PM	94687						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK	3:30:00 PM	94688						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK.fx	9:30:00 AM	94689						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK.fx	11:30:00 AM	94690						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK.fx	1:30:00 PM	94691						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSEK.fx	3:30:00 PM	94692						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD	9:30:00 AM	94693						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD	11:30:00 AM	94694						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD	1:30:00 PM	94695						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD	3:30:00 PM	94696						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD.fx	9:30:00 AM	94697						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD.fx	11:30:00 AM	94698						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD.fx	1:30:00 PM	94699						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDSGD.fx	3:30:00 PM	94700						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR	9:30:00 AM	94701						Continuous Quote	N/A	ELECTRONIC	N/A

12/19/2019	USDZAR	11:30:00 AM	94702						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR	1:30:00 PM	94703						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR	3:30:00 PM	94704						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR.fx	9:30:00 AM	94705						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR.fx	11:30:00 AM	94706						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR.fx	1:30:00 PM	94707						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	USDZAR.fx	3:30:00 PM	94708						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	XAUUSD	9:30:00 AM	94709						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	XAUUSD	11:30:00 AM	94710						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	XAUUSD	1:30:00 PM	94711						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	XAUUSD	3:30:00 PM	94712						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY	9:30:00 AM	94713						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY	11:30:00 AM	94714						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY	1:30:00 PM	94715						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY	3:30:00 PM	94716						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY.fx	9:30:00 AM	94717						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY.fx	11:30:00 AM	94718						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY.fx	1:30:00 PM	94719						Continuous Quote	N/A	ELECTRONIC	N/A
12/19/2019	ZARJPY.fx	3:30:00 PM	94720						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AA	9:30:00 AM	94721						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AA	11:30:00 AM	94722						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AA	1:30:00 PM	94723						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AA	3:30:00 PM	94724						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AABA	9:30:00 AM	94725						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AABA	11:30:00 AM	94726						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AABA	1:30:00 PM	94727						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AABA	3:30:00 PM	94728						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAL	9:30:00 AM	94729						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAL	11:30:00 AM	94730						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAL	1:30:00 PM	94731						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAL	3:30:00 PM	94732						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAPL	9:30:00 AM	94733						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAPL	11:30:00 AM	94734						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AAPL	1:30:00 PM	94735						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	#AAPL	3:30:00 PM	94736						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#ADBE	11:30:00 AM	94738						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ADBE	1:30:00 PM	94739						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ADBE	3:30:00 PM	94740						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AIG	9:30:00 AM	94741						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AIG	11:30:00 AM	94742						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#AIG	3:30:00 PM	94744						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AMD	9:30:00 AM	94745						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AMD	11:30:00 AM	94746						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AMD	1:30:00 PM	94747						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AMD	3:30:00 PM	94748						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AMZN	9:30:00 AM	94749						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#AMZN	3:30:00 PM	94752						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AXP	9:30:00 AM	94753						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AXP	11:30:00 AM	94754						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AXP	1:30:00 PM	94755						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#AXP	3:30:00 PM	94756						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BA	9:30:00 AM	94757						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BA	11:30:00 AM	94758						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BA	1:30:00 PM	94759						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BA	3:30:00 PM	94760						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BABA	9:30:00 AM	94761						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BABA	3:30:00 PM	94764						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BAC	9:30:00 AM	94765						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BAC	11:30:00 AM	94766						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BAC	1:30:00 PM	94767						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BAC	3:30:00 PM	94768						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BARC	9:30:00 AM	94769						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	#BARC	11:30:00 AM	94770						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BARC	1:30:00 PM	94771						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BARC	3:30:00 PM	94772						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BHP	9:30:00 AM	94773						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BHP	11:30:00 AM	94774						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BHP	3:30:00 PM	94776						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BIDU	3:30:00 PM	94780						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Bitcoin	9:30:00 AM	94781						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Bitcoin	11:30:00 AM	94782						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BK	3:30:00 PM	94788						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BLT	1:30:00 PM	94791						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BLT	3:30:00 PM	94792						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BP	9:30:00 AM	94793						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BP	11:30:00 AM	94794						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#BTA	11:30:00 AM	94798						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BTA	1:30:00 PM	94799						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#BTA	3:30:00 PM	94800						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#C	9:30:00 AM	94801						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#C	11:30:00 AM	94802						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#C	1:30:00 PM	94803						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	#C	3:30:00 PM	94804						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#CAT	11:30:00 AM	94806						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#CAT	1:30:00 PM	94807						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#CAT	3:30:00 PM	94808						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#CHL	9:30:00 AM	94809						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#CHL	11:30:00 AM	94810						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#CHL	1:30:00 PM	94811						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#NG.f	1:30:00 PM	95015						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#NOK	11:30:00 AM	95022						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#NOK	1:30:00 PM	95023						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#NOK	3:30:00 PM	95024						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#NTDOY	9:30:00 AM	95025						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#NTDOY	1:30:00 PM	95027						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#ORAN	3:30:00 PM	95032						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ORCL	9:30:00 AM	95033						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ORCL	11:30:00 AM	95034						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ORCL	1:30:00 PM	95035						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#ORCL	3:30:00 PM	95036						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#PEP	9:30:00 AM	95041						Continuous Quote	N/A	ELECTRONIC	N/A

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12/20/2019	#PFE	11:30:00 AM	95046						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#PFE	1:30:00 PM	95047						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#POT	1:30:00 PM	95055						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#POT	3:30:00 PM	95056						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#QQQ	3:30:00 PM	95064						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Ripple	9:30:00 AM	95065						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Ripple	11:30:00 AM	95066						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Ripple	1:30:00 PM	95067						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#Ripple	3:30:00 PM	95068						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#SBUX	11:30:00 AM	95074						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#SBUX	1:30:00 PM	95075						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	#SBUX	3:30:00 PM	95076						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#SNE	11:30:00 AM	95078						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#SNE	3:30:00 PM	95080						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#TSCO	11:30:00 AM	95102						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#TSLA	9:30:00 AM	95105						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#TSLA	11:30:00 AM	95106						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#TSLA	1:30:00 PM	95107						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#UBS	3:30:00 PM	95116						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#UPS	11:30:00 AM	95122						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#UPS	1:30:00 PM	95123						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#UTX	11:30:00 AM	95126						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#UTX	1:30:00 PM	95127						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#UTX	3:30:00 PM	95128						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#V	9:30:00 AM	95129						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#V	3:30:00 PM	95132						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#VOD	9:30:00 AM	95133						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#VOD	1:30:00 PM	95135						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#VZ	1:30:00 PM	95139						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#VZ	3:30:00 PM	95140						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#WDC	9:30:00 AM	95141						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#WDC	11:30:00 AM	95142						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#WDC	1:30:00 PM	95143						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	#WDC	3:30:00 PM	95144						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#WFC	9:30:00 AM	95145						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#WFC	11:30:00 AM	95146						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	#XOM	1:30:00 PM	95155						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#XOM	3:30:00 PM	95156						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	#YHOO	9:30:00 AM	95157						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDCHF	9:30:00 AM	95173						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDCHF	11:30:00 AM	95174						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDCHF.fx	9:30:00 AM	95177						Continuous Quote	N/A	ELECTRONIC	N/A

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12/20/2019	AUDCZK	9:30:00 AM	95181						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDCZK	11:30:00 AM	95182						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDHKD	3:30:00 PM	95192						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDHUF	3:30:00 PM	95196						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDJPY	9:30:00 AM	95197						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDJPY	11:30:00 AM	95198						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDJPY.fx	9:30:00 AM	95201						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDJPY.fx	11:30:00 AM	95202						Continuous Quote	N/A	ELECTRONIC	N/A
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12/20/2019	AUDJPY.fx	3:30:00 PM	95204						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDMXN	9:30:00 AM	95205						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDMXN	11:30:00 AM	95206						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDMXN	1:30:00 PM	95207						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDMXN	3:30:00 PM	95208						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK	9:30:00 AM	95209						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK	11:30:00 AM	95210						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK	1:30:00 PM	95211						Continuous Quote	N/A	ELECTRONIC	N/A

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12/20/2019	AUDNOK.fx	9:30:00 AM	95213						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK.fx	11:30:00 AM	95214						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK.fx	1:30:00 PM	95215						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNOK.fx	3:30:00 PM	95216						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD	9:30:00 AM	95217						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD	11:30:00 AM	95218						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD	1:30:00 PM	95219						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD	3:30:00 PM	95220						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD.fx	9:30:00 AM	95221						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD.fx	11:30:00 AM	95222						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD.fx	1:30:00 PM	95223						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDNZD.fx	3:30:00 PM	95224						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDPLN	9:30:00 AM	95225						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDPLN	11:30:00 AM	95226						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDPLN	1:30:00 PM	95227						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDPLN	3:30:00 PM	95228						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK	9:30:00 AM	95229						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK	11:30:00 AM	95230						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK	1:30:00 PM	95231						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK	3:30:00 PM	95232						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK.fx	9:30:00 AM	95233						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK.fx	11:30:00 AM	95234						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK.fx	1:30:00 PM	95235						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSEK.fx	3:30:00 PM	95236						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD	9:30:00 AM	95237						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD	11:30:00 AM	95238						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD	1:30:00 PM	95239						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD	3:30:00 PM	95240						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD.fx	9:30:00 AM	95241						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD.fx	11:30:00 AM	95242						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD.fx	1:30:00 PM	95243						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDSGD.fx	3:30:00 PM	95244						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD	9:30:00 AM	95245						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	AUDUSD	11:30:00 AM	95246						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD	1:30:00 PM	95247						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD	3:30:00 PM	95248						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD.fx	9:30:00 AM	95249						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD.fx	11:30:00 AM	95250						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD.fx	1:30:00 PM	95251						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDUSD.fx	3:30:00 PM	95252						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDZAR	9:30:00 AM	95253						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDZAR	11:30:00 AM	95254						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDZAR	1:30:00 PM	95255						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUDZAR	3:30:00 PM	95256						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUS200.i	9:30:00 AM	95257						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUS200.i	11:30:00 AM	95258						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUS200.i	1:30:00 PM	95259						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	AUS200.i	3:30:00 PM	95260						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	BCHUSD	9:30:00 AM	95261						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	BCHUSD	11:30:00 AM	95262						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	BCHUSD	1:30:00 PM	95263						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	BCHUSD	3:30:00 PM	95264						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF	9:30:00 AM	95265						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF	11:30:00 AM	95266						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF	1:30:00 PM	95267						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF	3:30:00 PM	95268						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF.fx	9:30:00 AM	95269						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF.fx	11:30:00 AM	95270						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF.fx	1:30:00 PM	95271						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCHF.fx	3:30:00 PM	95272						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCZK	9:30:00 AM	95273						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCZK	11:30:00 AM	95274						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCZK	1:30:00 PM	95275						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADCZK	3:30:00 PM	95276						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADDDKK	9:30:00 AM	95277						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADDDKK	11:30:00 AM	95278						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADDDKK	1:30:00 PM	95279						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	CADDKK	3:30:00 PM	95280						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHKD	9:30:00 AM	95281						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHKD	11:30:00 AM	95282						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHKD	1:30:00 PM	95283						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHKD	3:30:00 PM	95284						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHUF	9:30:00 AM	95285						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHUF	11:30:00 AM	95286						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHUF	1:30:00 PM	95287						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADHUF	3:30:00 PM	95288						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY	9:30:00 AM	95289						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY	11:30:00 AM	95290						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY	1:30:00 PM	95291						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY	3:30:00 PM	95292						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY.fx	9:30:00 AM	95293						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY.fx	11:30:00 AM	95294						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY.fx	1:30:00 PM	95295						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADJPY.fx	3:30:00 PM	95296						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADMXN	9:30:00 AM	95297						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADMXN	11:30:00 AM	95298						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADMXN	1:30:00 PM	95299						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADMXN	3:30:00 PM	95300						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADNOK	9:30:00 AM	95301						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADNOK	11:30:00 AM	95302						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADNOK	1:30:00 PM	95303						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADNOK	3:30:00 PM	95304						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADPLN	9:30:00 AM	95305						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADPLN	11:30:00 AM	95306						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADPLN	1:30:00 PM	95307						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADPLN	3:30:00 PM	95308						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSEK	9:30:00 AM	95309						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSEK	11:30:00 AM	95310						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSEK	1:30:00 PM	95311						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSEK	3:30:00 PM	95312						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSGD	9:30:00 AM	95313						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	CADSGD	11:30:00 AM	95314						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSGD	1:30:00 PM	95315						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADSGD	3:30:00 PM	95316						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADZAR	9:30:00 AM	95317						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADZAR	11:30:00 AM	95318						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADZAR	1:30:00 PM	95319						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CADZAR	3:30:00 PM	95320						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFCZK	9:30:00 AM	95321						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFCZK	11:30:00 AM	95322						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFCZK	1:30:00 PM	95323						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFCZK	3:30:00 PM	95324						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK	9:30:00 AM	95325						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK	11:30:00 AM	95326						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK	1:30:00 PM	95327						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK	3:30:00 PM	95328						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK.fx	9:30:00 AM	95329						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK.fx	11:30:00 AM	95330						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK.fx	1:30:00 PM	95331						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFDKK.fx	3:30:00 PM	95332						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHKD	9:30:00 AM	95333						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHKD	11:30:00 AM	95334						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHKD	1:30:00 PM	95335						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHKD	3:30:00 PM	95336						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHUF	9:30:00 AM	95337						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHUF	11:30:00 AM	95338						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHUF	1:30:00 PM	95339						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFHUF	3:30:00 PM	95340						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY	9:30:00 AM	95341						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY	11:30:00 AM	95342						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY	1:30:00 PM	95343						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY	3:30:00 PM	95344						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY.fx	9:30:00 AM	95345						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY.fx	11:30:00 AM	95346						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFJPY.fx	1:30:00 PM	95347						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	CHFJPY.fx	3:30:00 PM	95348						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFMXN	9:30:00 AM	95349						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFMXN	11:30:00 AM	95350						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFMXN	1:30:00 PM	95351						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFMXN	3:30:00 PM	95352						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK	9:30:00 AM	95353						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK	11:30:00 AM	95354						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK	1:30:00 PM	95355						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK	3:30:00 PM	95356						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK.fx	9:30:00 AM	95357						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK.fx	11:30:00 AM	95358						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK.fx	1:30:00 PM	95359						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFNOK.fx	3:30:00 PM	95360						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN	9:30:00 AM	95361						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN	11:30:00 AM	95362						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN	1:30:00 PM	95363						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN	3:30:00 PM	95364						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN.fx	9:30:00 AM	95365						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN.fx	11:30:00 AM	95366						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN.fx	1:30:00 PM	95367						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFPLN.fx	3:30:00 PM	95368						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSEK	9:30:00 AM	95369						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSEK	11:30:00 AM	95370						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSEK	1:30:00 PM	95371						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSEK	3:30:00 PM	95372						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD	9:30:00 AM	95373						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD	11:30:00 AM	95374						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD	1:30:00 PM	95375						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD	3:30:00 PM	95376						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD.fx	9:30:00 AM	95377						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD.fx	11:30:00 AM	95378						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD.fx	1:30:00 PM	95379						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFSGD.fx	3:30:00 PM	95380						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFZAR	9:30:00 AM	95381						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	CHFZAR	11:30:00 AM	95382						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFZAR	1:30:00 PM	95383						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CHFZAR	3:30:00 PM	95384						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CZKJPY	9:30:00 AM	95385						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CZKJPY	11:30:00 AM	95386						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CZKJPY	1:30:00 PM	95387						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	CZKJPY	3:30:00 PM	95388						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DAX30.i	9:30:00 AM	95389						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DAX30.i	11:30:00 AM	95390						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DAX30.i	1:30:00 PM	95391						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DAX30.i	3:30:00 PM	95392						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DJ30.i	9:30:00 AM	95393						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DJ30.i	11:30:00 AM	95394						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DJ30.i	1:30:00 PM	95395						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DJ30.i	3:30:00 PM	95396						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DKKJPY	9:30:00 AM	95397						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DKKJPY	11:30:00 AM	95398						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DKKJPY	1:30:00 PM	95399						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	DKKJPY	3:30:00 PM	95400						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD	9:30:00 AM	95401						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD	11:30:00 AM	95402						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD	1:30:00 PM	95403						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD	3:30:00 PM	95404						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD.fx	9:30:00 AM	95405						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD.fx	11:30:00 AM	95406						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD.fx	1:30:00 PM	95407						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURAUD.fx	3:30:00 PM	95408						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD	9:30:00 AM	95409						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD	11:30:00 AM	95410						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD	1:30:00 PM	95411						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD	3:30:00 PM	95412						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD.fx	9:30:00 AM	95413						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD.fx	11:30:00 AM	95414						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCAD.fx	1:30:00 PM	95415						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	EURCAD.fx	3:30:00 PM	95416						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF	9:30:00 AM	95417						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF	11:30:00 AM	95418						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF	1:30:00 PM	95419						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF	3:30:00 PM	95420						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF.fx	9:30:00 AM	95421						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF.fx	11:30:00 AM	95422						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF.fx	1:30:00 PM	95423						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCHF.fx	3:30:00 PM	95424						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCZK	9:30:00 AM	95425						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCZK	11:30:00 AM	95426						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCZK	1:30:00 PM	95427						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURCZK	3:30:00 PM	95428						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURDKK	9:30:00 AM	95429						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURDKK	11:30:00 AM	95430						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURDKK	1:30:00 PM	95431						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURDKK	3:30:00 PM	95432						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP	9:30:00 AM	95433						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP	11:30:00 AM	95434						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP	1:30:00 PM	95435						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP	3:30:00 PM	95436						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP.fx	9:30:00 AM	95437						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP.fx	11:30:00 AM	95438						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP.fx	1:30:00 PM	95439						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURGBP.fx	3:30:00 PM	95440						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD	9:30:00 AM	95441						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD	11:30:00 AM	95442						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD	1:30:00 PM	95443						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD	3:30:00 PM	95444						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD.fx	9:30:00 AM	95445						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD.fx	11:30:00 AM	95446						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD.fx	1:30:00 PM	95447						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHKD.fx	3:30:00 PM	95448						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF	9:30:00 AM	95449						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	EURHUF	11:30:00 AM	95450						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF	1:30:00 PM	95451						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF	3:30:00 PM	95452						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF.fx	9:30:00 AM	95453						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF.fx	11:30:00 AM	95454						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF.fx	1:30:00 PM	95455						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURHUF.fx	3:30:00 PM	95456						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY	9:30:00 AM	95457						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY	11:30:00 AM	95458						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY	1:30:00 PM	95459						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY	3:30:00 PM	95460						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY.fx	9:30:00 AM	95461						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY.fx	11:30:00 AM	95462						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY.fx	1:30:00 PM	95463						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURJPY.fx	3:30:00 PM	95464						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN	9:30:00 AM	95465						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN	11:30:00 AM	95466						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN	1:30:00 PM	95467						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN	3:30:00 PM	95468						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN.fx	9:30:00 AM	95469						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN.fx	11:30:00 AM	95470						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN.fx	1:30:00 PM	95471						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURMXN.fx	3:30:00 PM	95472						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK	9:30:00 AM	95473						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK	11:30:00 AM	95474						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK	1:30:00 PM	95475						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK	3:30:00 PM	95476						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK.fx	9:30:00 AM	95477						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK.fx	11:30:00 AM	95478						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK.fx	1:30:00 PM	95479						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNOK.fx	3:30:00 PM	95480						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD	9:30:00 AM	95481						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD	11:30:00 AM	95482						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD	1:30:00 PM	95483						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	EURNZD	3:30:00 PM	95484						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD.fx	9:30:00 AM	95485						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD.fx	11:30:00 AM	95486						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD.fx	1:30:00 PM	95487						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURNZD.fx	3:30:00 PM	95488						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN	9:30:00 AM	95489						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN	11:30:00 AM	95490						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN	1:30:00 PM	95491						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN	3:30:00 PM	95492						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN.fx	9:30:00 AM	95493						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN.fx	11:30:00 AM	95494						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN.fx	1:30:00 PM	95495						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURPLN.fx	3:30:00 PM	95496						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURRUB	9:30:00 AM	95497						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURRUB	11:30:00 AM	95498						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURRUB	1:30:00 PM	95499						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURRUB	3:30:00 PM	95500						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK	9:30:00 AM	95501						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK	11:30:00 AM	95502						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK	1:30:00 PM	95503						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK	3:30:00 PM	95504						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK.fx	9:30:00 AM	95505						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK.fx	11:30:00 AM	95506						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK.fx	1:30:00 PM	95507						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSEK.fx	3:30:00 PM	95508						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD	9:30:00 AM	95509						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD	11:30:00 AM	95510						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD	1:30:00 PM	95511						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD	3:30:00 PM	95512						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD.fx	9:30:00 AM	95513						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD.fx	11:30:00 AM	95514						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD.fx	1:30:00 PM	95515						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURSGD.fx	3:30:00 PM	95516						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD	9:30:00 AM	95517						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	EURUSD	11:30:00 AM	95518						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD	1:30:00 PM	95519						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD	3:30:00 PM	95520						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD.fx	9:30:00 AM	95521						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD.fx	11:30:00 AM	95522						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD.fx	1:30:00 PM	95523						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURUSD.fx	3:30:00 PM	95524						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR	9:30:00 AM	95525						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR	11:30:00 AM	95526						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR	1:30:00 PM	95527						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR	3:30:00 PM	95528						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR.fx	9:30:00 AM	95529						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR.fx	11:30:00 AM	95530						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR.fx	1:30:00 PM	95531						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	EURZAR.fx	3:30:00 PM	95532						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD	9:30:00 AM	95533						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD	11:30:00 AM	95534						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD	1:30:00 PM	95535						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD	3:30:00 PM	95536						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD.fx	9:30:00 AM	95537						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD.fx	11:30:00 AM	95538						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD.fx	1:30:00 PM	95539						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPAUD.fx	3:30:00 PM	95540						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD	9:30:00 AM	95541						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD	11:30:00 AM	95542						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD	1:30:00 PM	95543						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD	3:30:00 PM	95544						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD.fx	9:30:00 AM	95545						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD.fx	11:30:00 AM	95546						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD.fx	1:30:00 PM	95547						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCAD.fx	3:30:00 PM	95548						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF	9:30:00 AM	95549						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF	11:30:00 AM	95550						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF	1:30:00 PM	95551						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	GBPCHF	3:30:00 PM	95552						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF.fx	9:30:00 AM	95553						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF.fx	11:30:00 AM	95554						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF.fx	1:30:00 PM	95555						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCHF.fx	3:30:00 PM	95556						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCZK	9:30:00 AM	95557						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCZK	11:30:00 AM	95558						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCZK	1:30:00 PM	95559						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPCZK	3:30:00 PM	95560						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK	9:30:00 AM	95561						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK	11:30:00 AM	95562						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK	1:30:00 PM	95563						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK	3:30:00 PM	95564						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK.fx	9:30:00 AM	95565						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK.fx	11:30:00 AM	95566						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK.fx	1:30:00 PM	95567						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPDKK.fx	3:30:00 PM	95568						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHKD	9:30:00 AM	95569						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHKD	11:30:00 AM	95570						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHKD	1:30:00 PM	95571						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHKD	3:30:00 PM	95572						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHUF	9:30:00 AM	95573						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHUF	11:30:00 AM	95574						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHUF	1:30:00 PM	95575						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPHUF	3:30:00 PM	95576						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY	9:30:00 AM	95577						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY	11:30:00 AM	95578						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY	1:30:00 PM	95579						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY	3:30:00 PM	95580						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY.fx	9:30:00 AM	95581						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY.fx	11:30:00 AM	95582						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY.fx	1:30:00 PM	95583						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPJPY.fx	3:30:00 PM	95584						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPMXN	9:30:00 AM	95585						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	GBPMXN	11:30:00 AM	95586						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPMXN	1:30:00 PM	95587						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPMXN	3:30:00 PM	95588						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK	9:30:00 AM	95589						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK	11:30:00 AM	95590						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK	1:30:00 PM	95591						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK	3:30:00 PM	95592						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK.fx	9:30:00 AM	95593						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK.fx	11:30:00 AM	95594						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK.fx	1:30:00 PM	95595						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNOK.fx	3:30:00 PM	95596						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD	9:30:00 AM	95597						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD	11:30:00 AM	95598						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD	1:30:00 PM	95599						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD	3:30:00 PM	95600						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD.fx	9:30:00 AM	95601						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD.fx	11:30:00 AM	95602						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD.fx	1:30:00 PM	95603						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPNZD.fx	3:30:00 PM	95604						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN	9:30:00 AM	95605						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN	11:30:00 AM	95606						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN	1:30:00 PM	95607						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN	3:30:00 PM	95608						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN.fx	9:30:00 AM	95609						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN.fx	11:30:00 AM	95610						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN.fx	1:30:00 PM	95611						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPPLN.fx	3:30:00 PM	95612						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK	9:30:00 AM	95613						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK	11:30:00 AM	95614						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK	1:30:00 PM	95615						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK	3:30:00 PM	95616						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK.fx	9:30:00 AM	95617						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK.fx	11:30:00 AM	95618						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSEK.fx	1:30:00 PM	95619						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	GBPSEK.fx	3:30:00 PM	95620						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD	9:30:00 AM	95621						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD	11:30:00 AM	95622						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD	1:30:00 PM	95623						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD	3:30:00 PM	95624						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD.fx	9:30:00 AM	95625						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD.fx	11:30:00 AM	95626						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD.fx	1:30:00 PM	95627						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPSGD.fx	3:30:00 PM	95628						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD	9:30:00 AM	95629						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD	11:30:00 AM	95630						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD	1:30:00 PM	95631						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD	3:30:00 PM	95632						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD.fx	9:30:00 AM	95633						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD.fx	11:30:00 AM	95634						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD.fx	1:30:00 PM	95635						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPUUSD.fx	3:30:00 PM	95636						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR	9:30:00 AM	95637						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR	11:30:00 AM	95638						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR	1:30:00 PM	95639						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR	3:30:00 PM	95640						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR.fx	9:30:00 AM	95641						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR.fx	11:30:00 AM	95642						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR.fx	1:30:00 PM	95643						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GBPZAR.fx	3:30:00 PM	95644						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GOLD	9:30:00 AM	95645						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GOLD	11:30:00 AM	95646						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GOLD	1:30:00 PM	95647						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	GOLD	3:30:00 PM	95648						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY	9:30:00 AM	95649						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY	11:30:00 AM	95650						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY	1:30:00 PM	95651						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY	3:30:00 PM	95652						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY.fx	9:30:00 AM	95653						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	HKDJPY.fx	11:30:00 AM	95654						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY.fx	1:30:00 PM	95655						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HKDJPY.fx	3:30:00 PM	95656						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HUFJPY	9:30:00 AM	95657						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HUFJPY	11:30:00 AM	95658						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HUFJPY	1:30:00 PM	95659						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	HUFJPY	3:30:00 PM	95660						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JP225.i	9:30:00 AM	95661						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JP225.i	11:30:00 AM	95662						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JP225.i	1:30:00 PM	95663						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JP225.i	3:30:00 PM	95664						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	MXNJPY	9:30:00 AM	95665						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	MXNJPY	11:30:00 AM	95666						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	MXNJPY	1:30:00 PM	95667						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	MXNJPY	3:30:00 PM	95668						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NASDAQ.i	9:30:00 AM	95669						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NASDAQ.i	11:30:00 AM	95670						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NASDAQ.i	1:30:00 PM	95671						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NASDAQ.i	3:30:00 PM	95672						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY	9:30:00 AM	95673						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY	11:30:00 AM	95674						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY	1:30:00 PM	95675						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY	3:30:00 PM	95676						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY.fx	9:30:00 AM	95677						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY.fx	11:30:00 AM	95678						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY.fx	1:30:00 PM	95679						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NOKJPY.fx	3:30:00 PM	95680						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD	9:30:00 AM	95681						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD	11:30:00 AM	95682						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD	1:30:00 PM	95683						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD	3:30:00 PM	95684						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD.fx	9:30:00 AM	95685						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD.fx	11:30:00 AM	95686						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCAD.fx	1:30:00 PM	95687						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	NZDCAD.fx	3:30:00 PM	95688						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF	9:30:00 AM	95689						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF	11:30:00 AM	95690						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF	1:30:00 PM	95691						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF	3:30:00 PM	95692						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF.fx	9:30:00 AM	95693						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF.fx	11:30:00 AM	95694						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF.fx	1:30:00 PM	95695						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCHF.fx	3:30:00 PM	95696						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCZK	9:30:00 AM	95697						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCZK	11:30:00 AM	95698						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCZK	1:30:00 PM	95699						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDCZK	3:30:00 PM	95700						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDDKK	9:30:00 AM	95701						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDDKK	11:30:00 AM	95702						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDDKK	1:30:00 PM	95703						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDDKK	3:30:00 PM	95704						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHKD	9:30:00 AM	95705						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHKD	11:30:00 AM	95706						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHKD	1:30:00 PM	95707						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHKD	3:30:00 PM	95708						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHUF	9:30:00 AM	95709						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHUF	11:30:00 AM	95710						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHUF	1:30:00 PM	95711						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDHUF	3:30:00 PM	95712						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY	9:30:00 AM	95713						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY	11:30:00 AM	95714						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY	1:30:00 PM	95715						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY	3:30:00 PM	95716						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY.fx	9:30:00 AM	95717						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY.fx	11:30:00 AM	95718						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY.fx	1:30:00 PM	95719						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDJPY.fx	3:30:00 PM	95720						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDMXN	9:30:00 AM	95721						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	NZDMXN	11:30:00 AM	95722						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDMXN	1:30:00 PM	95723						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDMXN	3:30:00 PM	95724						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDNOK	9:30:00 AM	95725						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDNOK	11:30:00 AM	95726						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDNOK	1:30:00 PM	95727						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDNOK	3:30:00 PM	95728						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDPLN	9:30:00 AM	95729						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDPLN	11:30:00 AM	95730						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDPLN	1:30:00 PM	95731						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDPLN	3:30:00 PM	95732						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSEK	9:30:00 AM	95733						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSEK	11:30:00 AM	95734						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSEK	1:30:00 PM	95735						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSEK	3:30:00 PM	95736						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD	9:30:00 AM	95737						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD	11:30:00 AM	95738						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD	1:30:00 PM	95739						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD	3:30:00 PM	95740						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD.fx	9:30:00 AM	95741						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD.fx	11:30:00 AM	95742						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD.fx	1:30:00 PM	95743						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDSGD.fx	3:30:00 PM	95744						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD	9:30:00 AM	95745						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD	11:30:00 AM	95746						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD	1:30:00 PM	95747						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD	3:30:00 PM	95748						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD.fx	9:30:00 AM	95749						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD.fx	11:30:00 AM	95750						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD.fx	1:30:00 PM	95751						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDUSD.fx	3:30:00 PM	95752						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDZAR	9:30:00 AM	95753						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDZAR	11:30:00 AM	95754						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	NZDZAR	1:30:00 PM	95755						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	NZDZAR	3:30:00 PM	95756						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY	9:30:00 AM	95757						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY	11:30:00 AM	95758						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY	1:30:00 PM	95759						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY	3:30:00 PM	95760						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY.fx	9:30:00 AM	95761						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY.fx	11:30:00 AM	95762						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY.fx	1:30:00 PM	95763						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SEKJPY.fx	3:30:00 PM	95764						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SGDJPY	9:30:00 AM	95765						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SGDJPY	11:30:00 AM	95766						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SGDJPY	1:30:00 PM	95767						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SGDJPY	3:30:00 PM	95768						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SILVER	9:30:00 AM	95769						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SILVER	11:30:00 AM	95770						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SILVER	1:30:00 PM	95771						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SILVER	3:30:00 PM	95772						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SPX500.i	9:30:00 AM	95773						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SPX500.i	11:30:00 AM	95774						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SPX500.i	1:30:00 PM	95775						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	SPX500.i	3:30:00 PM	95776						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	UK100.i	9:30:00 AM	95777						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	UK100.i	11:30:00 AM	95778						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	UK100.i	1:30:00 PM	95779						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	UK100.i	3:30:00 PM	95780						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD	9:30:00 AM	95781						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD	11:30:00 AM	95782						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD	1:30:00 PM	95783						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD	3:30:00 PM	95784						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD.fx	9:30:00 AM	95785						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD.fx	11:30:00 AM	95786						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD.fx	1:30:00 PM	95787						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCAD.fx	3:30:00 PM	95788						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHF	9:30:00 AM	95789						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	USDCHE	11:30:00 AM	95790						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE	1:30:00 PM	95791						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE	3:30:00 PM	95792						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE.fx	9:30:00 AM	95793						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE.fx	11:30:00 AM	95794						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE.fx	1:30:00 PM	95795						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCHE.fx	3:30:00 PM	95796						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK	9:30:00 AM	95797						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK	11:30:00 AM	95798						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK	1:30:00 PM	95799						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK	3:30:00 PM	95800						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK.fx	9:30:00 AM	95801						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK.fx	11:30:00 AM	95802						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK.fx	1:30:00 PM	95803						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDCZK.fx	3:30:00 PM	95804						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK	9:30:00 AM	95805						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK	11:30:00 AM	95806						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK	1:30:00 PM	95807						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK	3:30:00 PM	95808						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK.fx	9:30:00 AM	95809						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK.fx	11:30:00 AM	95810						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK.fx	1:30:00 PM	95811						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDDKK.fx	3:30:00 PM	95812						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD	9:30:00 AM	95813						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD	11:30:00 AM	95814						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD	1:30:00 PM	95815						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD	3:30:00 PM	95816						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD.fx	9:30:00 AM	95817						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD.fx	11:30:00 AM	95818						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD.fx	1:30:00 PM	95819						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHKD.fx	3:30:00 PM	95820						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF	9:30:00 AM	95821						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF	11:30:00 AM	95822						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF	1:30:00 PM	95823						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	USDHUF	3:30:00 PM	95824						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF.fx	9:30:00 AM	95825						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF.fx	11:30:00 AM	95826						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF.fx	1:30:00 PM	95827						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDHUF.fx	3:30:00 PM	95828						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDINR	9:30:00 AM	95829						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDINR	11:30:00 AM	95830						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDINR	1:30:00 PM	95831						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDINR	3:30:00 PM	95832						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY	9:30:00 AM	95833						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY	11:30:00 AM	95834						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY	1:30:00 PM	95835						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY	3:30:00 PM	95836						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY.fx	9:30:00 AM	95837						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY.fx	11:30:00 AM	95838						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY.fx	1:30:00 PM	95839						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDJPY.fx	3:30:00 PM	95840						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDMXN	9:30:00 AM	95841						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDMXN	11:30:00 AM	95842						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDMXN	1:30:00 PM	95843						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDMXN	3:30:00 PM	95844						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JSDMXN.fx	9:30:00 AM	95845						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JSDMXN.fx	11:30:00 AM	95846						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JSDMXN.fx	1:30:00 PM	95847						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	JSDMXN.fx	3:30:00 PM	95848						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK	9:30:00 AM	95849						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK	11:30:00 AM	95850						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK	1:30:00 PM	95851						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK	3:30:00 PM	95852						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK.fx	9:30:00 AM	95853						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK.fx	11:30:00 AM	95854						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK.fx	1:30:00 PM	95855						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDNOK.fx	3:30:00 PM	95856						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN	9:30:00 AM	95857						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	USDPLN	11:30:00 AM	95858						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN	1:30:00 PM	95859						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN	3:30:00 PM	95860						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN.fx	9:30:00 AM	95861						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN.fx	11:30:00 AM	95862						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN.fx	1:30:00 PM	95863						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDPLN.fx	3:30:00 PM	95864						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDRUB	9:30:00 AM	95865						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDRUB	11:30:00 AM	95866						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDRUB	1:30:00 PM	95867						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDRUB	3:30:00 PM	95868						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK	9:30:00 AM	95869						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK	11:30:00 AM	95870						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK	1:30:00 PM	95871						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK	3:30:00 PM	95872						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK.fx	9:30:00 AM	95873						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK.fx	11:30:00 AM	95874						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK.fx	1:30:00 PM	95875						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSEK.fx	3:30:00 PM	95876						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD	9:30:00 AM	95877						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD	11:30:00 AM	95878						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD	1:30:00 PM	95879						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD	3:30:00 PM	95880						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD.fx	9:30:00 AM	95881						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD.fx	11:30:00 AM	95882						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD.fx	1:30:00 PM	95883						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDSGD.fx	3:30:00 PM	95884						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR	9:30:00 AM	95885						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR	11:30:00 AM	95886						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR	1:30:00 PM	95887						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR	3:30:00 PM	95888						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR.fx	9:30:00 AM	95889						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR.fx	11:30:00 AM	95890						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	USDZAR.fx	1:30:00 PM	95891						Continuous Quote	N/A	ELECTRONIC	N/A

12/20/2019	USDZAR.fx	3:30:00 PM	95892						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	XAUUSD	9:30:00 AM	95893						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	XAUUSD	11:30:00 AM	95894						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	XAUUSD	1:30:00 PM	95895						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	XAUUSD	3:30:00 PM	95896						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY	9:30:00 AM	95897						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY	11:30:00 AM	95898						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY	1:30:00 PM	95899						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY	3:30:00 PM	95900						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY.fx	9:30:00 AM	95901						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY.fx	11:30:00 AM	95902						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY.fx	1:30:00 PM	95903						Continuous Quote	N/A	ELECTRONIC	N/A
12/20/2019	ZARJPY.fx	3:30:00 PM	95904						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#AA	11:30:00 AM	95906						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AA	1:30:00 PM	95907						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AA	3:30:00 PM	95908						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AABA	9:30:00 AM	95909						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AABA	11:30:00 AM	95910						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AABA	1:30:00 PM	95911						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AABA	3:30:00 PM	95912						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAL	9:30:00 AM	95913						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAL	11:30:00 AM	95914						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAL	1:30:00 PM	95915						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAL	3:30:00 PM	95916						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAPL	9:30:00 AM	95917						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAPL	11:30:00 AM	95918						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAPL	1:30:00 PM	95919						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AAPL	3:30:00 PM	95920						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#ADBE	9:30:00 AM	95921						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#ADBE	11:30:00 AM	95922						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#ADBE	1:30:00 PM	95923						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#ADBE	3:30:00 PM	95924						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AIG	9:30:00 AM	95925						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	#AIG	11:30:00 AM	95926						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AIG	1:30:00 PM	95927						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AIG	3:30:00 PM	95928						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AMD	9:30:00 AM	95929						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AMD	11:30:00 AM	95930						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AMD	1:30:00 PM	95931						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AMD	3:30:00 PM	95932						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#AMZN	1:30:00 PM	95935						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AMZN	3:30:00 PM	95936						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AXP	9:30:00 AM	95937						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AXP	11:30:00 AM	95938						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AXP	1:30:00 PM	95939						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#AXP	3:30:00 PM	95940						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BA	9:30:00 AM	95941						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BA	11:30:00 AM	95942						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BA	1:30:00 PM	95943						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BA	3:30:00 PM	95944						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BABA	9:30:00 AM	95945						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BABA	11:30:00 AM	95946						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BABA	1:30:00 PM	95947						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BABA	3:30:00 PM	95948						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BAC	9:30:00 AM	95949						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BAC	11:30:00 AM	95950						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BAC	1:30:00 PM	95951						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BAC	3:30:00 PM	95952						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BARC	9:30:00 AM	95953						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BARC	11:30:00 AM	95954						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BARC	1:30:00 PM	95955						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BARC	3:30:00 PM	95956						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BHP	9:30:00 AM	95957						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BHP	11:30:00 AM	95958						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BHP	1:30:00 PM	95959						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	#BHP	3:30:00 PM	95960						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BIDU	9:30:00 AM	95961						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BIDU	11:30:00 AM	95962						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BIDU	1:30:00 PM	95963						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#Bitcoin	3:30:00 PM	95968						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BK	9:30:00 AM	95969						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BK	11:30:00 AM	95970						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BK	1:30:00 PM	95971						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BK	3:30:00 PM	95972						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BLT	9:30:00 AM	95973						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#BLT	1:30:00 PM	95975						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BLT	3:30:00 PM	95976						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BP	9:30:00 AM	95977						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BP	11:30:00 AM	95978						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BP	1:30:00 PM	95979						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#BTA	9:30:00 AM	95981						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BTA	11:30:00 AM	95982						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BTA	1:30:00 PM	95983						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#BTA	3:30:00 PM	95984						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#C	9:30:00 AM	95985						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#C	11:30:00 AM	95986						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#C	3:30:00 PM	95988						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#CAT	9:30:00 AM	95989						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#CHL	11:30:00 AM	95994						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#CHL	3:30:00 PM	95996						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#NTDOY	3:30:00 PM	96212						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#PBR	1:30:00 PM	96223						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#PEP	9:30:00 AM	96225						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#PEP	1:30:00 PM	96227						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#POT	3:30:00 PM	96240						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#QCOM	9:30:00 AM	96241						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#S	3:30:00 PM	96256						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#T	3:30:00 PM	96272						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#TEVA	11:30:00 AM	96274						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#TEVA	1:30:00 PM	96275						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#TEVA	3:30:00 PM	96276						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#TRI	9:30:00 AM	96277						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#TRI	1:30:00 PM	96279						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#TRV	9:30:00 AM	96281						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#TRV	11:30:00 AM	96282						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#TRV	3:30:00 PM	96284						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	#UPS	1:30:00 PM	96307						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	#UPS	3:30:00 PM	96308						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	AUDNZD	9:30:00 AM	96401						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	AUDNZD	11:30:00 AM	96402						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD	1:30:00 PM	96403						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD	3:30:00 PM	96404						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD.fx	9:30:00 AM	96405						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD.fx	11:30:00 AM	96406						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD.fx	1:30:00 PM	96407						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDNZD.fx	3:30:00 PM	96408						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDPLN	9:30:00 AM	96409						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDPLN	11:30:00 AM	96410						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDPLN	1:30:00 PM	96411						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDPLN	3:30:00 PM	96412						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK	9:30:00 AM	96413						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK	11:30:00 AM	96414						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK	1:30:00 PM	96415						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK	3:30:00 PM	96416						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK.fx	9:30:00 AM	96417						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK.fx	11:30:00 AM	96418						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK.fx	1:30:00 PM	96419						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSEK.fx	3:30:00 PM	96420						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD	9:30:00 AM	96421						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD	11:30:00 AM	96422						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD	1:30:00 PM	96423						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD	3:30:00 PM	96424						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD.fx	9:30:00 AM	96425						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD.fx	11:30:00 AM	96426						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD.fx	1:30:00 PM	96427						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDSGD.fx	3:30:00 PM	96428						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD	9:30:00 AM	96429						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD	11:30:00 AM	96430						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD	1:30:00 PM	96431						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD	3:30:00 PM	96432						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD.fx	9:30:00 AM	96433						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD.fx	11:30:00 AM	96434						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDUSD.fx	1:30:00 PM	96435						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	AUDUSD.fx	3:30:00 PM	96436						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDZAR	9:30:00 AM	96437						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDZAR	11:30:00 AM	96438						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDZAR	1:30:00 PM	96439						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUDZAR	3:30:00 PM	96440						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUS200.i	9:30:00 AM	96441						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUS200.i	11:30:00 AM	96442						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUS200.i	1:30:00 PM	96443						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	AUS200.i	3:30:00 PM	96444						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	BCHUSD	9:30:00 AM	96445						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	BCHUSD	11:30:00 AM	96446						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	BCHUSD	1:30:00 PM	96447						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	BCHUSD	3:30:00 PM	96448						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF	9:30:00 AM	96449						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF	11:30:00 AM	96450						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF	1:30:00 PM	96451						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF	3:30:00 PM	96452						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF.fx	9:30:00 AM	96453						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF.fx	11:30:00 AM	96454						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF.fx	1:30:00 PM	96455						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCHF.fx	3:30:00 PM	96456						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCZK	9:30:00 AM	96457						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCZK	11:30:00 AM	96458						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCZK	1:30:00 PM	96459						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADCZK	3:30:00 PM	96460						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADDDK	9:30:00 AM	96461						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADDDK	11:30:00 AM	96462						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADDDK	1:30:00 PM	96463						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADDDK	3:30:00 PM	96464						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHKD	9:30:00 AM	96465						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHKD	11:30:00 AM	96466						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHKD	1:30:00 PM	96467						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHKD	3:30:00 PM	96468						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHUF	9:30:00 AM	96469						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	CADHUF	11:30:00 AM	96470						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHUF	1:30:00 PM	96471						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADHUF	3:30:00 PM	96472						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY	9:30:00 AM	96473						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY	11:30:00 AM	96474						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY	1:30:00 PM	96475						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY	3:30:00 PM	96476						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY.fx	9:30:00 AM	96477						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY.fx	11:30:00 AM	96478						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY.fx	1:30:00 PM	96479						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADJPY.fx	3:30:00 PM	96480						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADMXN	9:30:00 AM	96481						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADMXN	11:30:00 AM	96482						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADMXN	1:30:00 PM	96483						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADMXN	3:30:00 PM	96484						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADNOK	9:30:00 AM	96485						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADNOK	11:30:00 AM	96486						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADNOK	1:30:00 PM	96487						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADNOK	3:30:00 PM	96488						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADPLN	9:30:00 AM	96489						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADPLN	11:30:00 AM	96490						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADPLN	1:30:00 PM	96491						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADPLN	3:30:00 PM	96492						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSEK	9:30:00 AM	96493						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSEK	11:30:00 AM	96494						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSEK	1:30:00 PM	96495						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSEK	3:30:00 PM	96496						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSGD	9:30:00 AM	96497						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSGD	11:30:00 AM	96498						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSGD	1:30:00 PM	96499						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADSGD	3:30:00 PM	96500						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADZAR	9:30:00 AM	96501						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADZAR	11:30:00 AM	96502						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CADZAR	1:30:00 PM	96503						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	CADZAR	3:30:00 PM	96504						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFCZK	9:30:00 AM	96505						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFCZK	11:30:00 AM	96506						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFCZK	1:30:00 PM	96507						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFCZK	3:30:00 PM	96508						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK	9:30:00 AM	96509						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK	11:30:00 AM	96510						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK	1:30:00 PM	96511						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK	3:30:00 PM	96512						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK.fx	9:30:00 AM	96513						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK.fx	11:30:00 AM	96514						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK.fx	1:30:00 PM	96515						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFDKK.fx	3:30:00 PM	96516						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHKD	9:30:00 AM	96517						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHKD	11:30:00 AM	96518						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHKD	1:30:00 PM	96519						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHKD	3:30:00 PM	96520						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHUF	9:30:00 AM	96521						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHUF	11:30:00 AM	96522						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHUF	1:30:00 PM	96523						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFHUF	3:30:00 PM	96524						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY	9:30:00 AM	96525						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY	11:30:00 AM	96526						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY	1:30:00 PM	96527						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY	3:30:00 PM	96528						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY.fx	9:30:00 AM	96529						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY.fx	11:30:00 AM	96530						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY.fx	1:30:00 PM	96531						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFJPY.fx	3:30:00 PM	96532						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFMXN	9:30:00 AM	96533						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFMXN	11:30:00 AM	96534						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFMXN	1:30:00 PM	96535						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFMXN	3:30:00 PM	96536						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK	9:30:00 AM	96537						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	CHFNOK	11:30:00 AM	96538						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK	1:30:00 PM	96539						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK	3:30:00 PM	96540						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK.fx	9:30:00 AM	96541						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK.fx	11:30:00 AM	96542						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK.fx	1:30:00 PM	96543						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFNOK.fx	3:30:00 PM	96544						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN	9:30:00 AM	96545						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN	11:30:00 AM	96546						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN	1:30:00 PM	96547						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN	3:30:00 PM	96548						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN.fx	9:30:00 AM	96549						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN.fx	11:30:00 AM	96550						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN.fx	1:30:00 PM	96551						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFPLN.fx	3:30:00 PM	96552						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSEK	9:30:00 AM	96553						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSEK	11:30:00 AM	96554						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSEK	1:30:00 PM	96555						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSEK	3:30:00 PM	96556						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD	9:30:00 AM	96557						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD	11:30:00 AM	96558						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD	1:30:00 PM	96559						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD	3:30:00 PM	96560						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD.fx	9:30:00 AM	96561						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD.fx	11:30:00 AM	96562						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD.fx	1:30:00 PM	96563						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFSGD.fx	3:30:00 PM	96564						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFZAR	9:30:00 AM	96565						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFZAR	11:30:00 AM	96566						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFZAR	1:30:00 PM	96567						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CHFZAR	3:30:00 PM	96568						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CZKJPY	9:30:00 AM	96569						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CZKJPY	11:30:00 AM	96570						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	CZKJPY	1:30:00 PM	96571						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	CZKJPY	3:30:00 PM	96572						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DAX30.i	9:30:00 AM	96573						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DAX30.i	11:30:00 AM	96574						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DAX30.i	1:30:00 PM	96575						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DAX30.i	3:30:00 PM	96576						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DJ30.i	9:30:00 AM	96577						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DJ30.i	11:30:00 AM	96578						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DJ30.i	1:30:00 PM	96579						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DJ30.i	3:30:00 PM	96580						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DKKJPY	9:30:00 AM	96581						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DKKJPY	11:30:00 AM	96582						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DKKJPY	1:30:00 PM	96583						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	DKKJPY	3:30:00 PM	96584						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD	9:30:00 AM	96585						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD	11:30:00 AM	96586						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD	1:30:00 PM	96587						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD	3:30:00 PM	96588						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD.fx	9:30:00 AM	96589						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD.fx	11:30:00 AM	96590						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD.fx	1:30:00 PM	96591						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURAUD.fx	3:30:00 PM	96592						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD	9:30:00 AM	96593						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD	11:30:00 AM	96594						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD	1:30:00 PM	96595						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD	3:30:00 PM	96596						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD.fx	9:30:00 AM	96597						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD.fx	11:30:00 AM	96598						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD.fx	1:30:00 PM	96599						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCAD.fx	3:30:00 PM	96600						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF	9:30:00 AM	96601						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF	11:30:00 AM	96602						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF	1:30:00 PM	96603						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF	3:30:00 PM	96604						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF.fx	9:30:00 AM	96605						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	EURCHF.fx	11:30:00 AM	96606						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF.fx	1:30:00 PM	96607						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCHF.fx	3:30:00 PM	96608						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCZK	9:30:00 AM	96609						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCZK	11:30:00 AM	96610						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCZK	1:30:00 PM	96611						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURCZK	3:30:00 PM	96612						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURDKK	9:30:00 AM	96613						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURDKK	11:30:00 AM	96614						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURDKK	1:30:00 PM	96615						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURDKK	3:30:00 PM	96616						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP	9:30:00 AM	96617						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP	11:30:00 AM	96618						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP	1:30:00 PM	96619						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP	3:30:00 PM	96620						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP.fx	9:30:00 AM	96621						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP.fx	11:30:00 AM	96622						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP.fx	1:30:00 PM	96623						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURGBP.fx	3:30:00 PM	96624						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD	9:30:00 AM	96625						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD	11:30:00 AM	96626						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD	1:30:00 PM	96627						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD	3:30:00 PM	96628						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD.fx	9:30:00 AM	96629						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD.fx	11:30:00 AM	96630						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD.fx	1:30:00 PM	96631						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHKD.fx	3:30:00 PM	96632						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF	9:30:00 AM	96633						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF	11:30:00 AM	96634						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF	1:30:00 PM	96635						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF	3:30:00 PM	96636						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF.fx	9:30:00 AM	96637						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF.fx	11:30:00 AM	96638						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURHUF.fx	1:30:00 PM	96639						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	EURHUF.fx	3:30:00 PM	96640						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY	9:30:00 AM	96641						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY	11:30:00 AM	96642						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY	1:30:00 PM	96643						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY	3:30:00 PM	96644						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY.fx	9:30:00 AM	96645						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY.fx	11:30:00 AM	96646						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY.fx	1:30:00 PM	96647						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURJPY.fx	3:30:00 PM	96648						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN	9:30:00 AM	96649						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN	11:30:00 AM	96650						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN	1:30:00 PM	96651						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN	3:30:00 PM	96652						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN.fx	9:30:00 AM	96653						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN.fx	11:30:00 AM	96654						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN.fx	1:30:00 PM	96655						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURMXN.fx	3:30:00 PM	96656						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNOK	9:30:00 AM	96657						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNOK	11:30:00 AM	96658						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNOK	1:30:00 PM	96659						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	EURNOK.fx	11:30:00 AM	96662						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNOK.fx	1:30:00 PM	96663						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNOK.fx	3:30:00 PM	96664						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD	9:30:00 AM	96665						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD	11:30:00 AM	96666						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD	1:30:00 PM	96667						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD	3:30:00 PM	96668						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD.fx	9:30:00 AM	96669						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD.fx	11:30:00 AM	96670						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD.fx	1:30:00 PM	96671						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURNZD.fx	3:30:00 PM	96672						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN	9:30:00 AM	96673						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	EURPLN	11:30:00 AM	96674						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN	1:30:00 PM	96675						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN	3:30:00 PM	96676						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN.fx	9:30:00 AM	96677						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN.fx	11:30:00 AM	96678						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN.fx	1:30:00 PM	96679						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURPLN.fx	3:30:00 PM	96680						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURRUB	9:30:00 AM	96681						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURRUB	11:30:00 AM	96682						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURRUB	1:30:00 PM	96683						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURRUB	3:30:00 PM	96684						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK	9:30:00 AM	96685						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK	11:30:00 AM	96686						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK	1:30:00 PM	96687						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK	3:30:00 PM	96688						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK.fx	9:30:00 AM	96689						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK.fx	11:30:00 AM	96690						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK.fx	1:30:00 PM	96691						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSEK.fx	3:30:00 PM	96692						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD	9:30:00 AM	96693						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD	11:30:00 AM	96694						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD	1:30:00 PM	96695						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD	3:30:00 PM	96696						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD.fx	9:30:00 AM	96697						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD.fx	11:30:00 AM	96698						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD.fx	1:30:00 PM	96699						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURSGD.fx	3:30:00 PM	96700						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD	9:30:00 AM	96701						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD	11:30:00 AM	96702						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD	1:30:00 PM	96703						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD	3:30:00 PM	96704						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD.fx	9:30:00 AM	96705						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD.fx	11:30:00 AM	96706						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURUSD.fx	1:30:00 PM	96707						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	EURUSD.fx	3:30:00 PM	96708						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR	9:30:00 AM	96709						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR	11:30:00 AM	96710						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR	1:30:00 PM	96711						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR	3:30:00 PM	96712						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR.fx	9:30:00 AM	96713						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR.fx	11:30:00 AM	96714						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR.fx	1:30:00 PM	96715						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	EURZAR.fx	3:30:00 PM	96716						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD	9:30:00 AM	96717						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD	11:30:00 AM	96718						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD	1:30:00 PM	96719						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD	3:30:00 PM	96720						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPAUD.fx	11:30:00 AM	96722						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD.fx	1:30:00 PM	96723						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPAUD.fx	3:30:00 PM	96724						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD	9:30:00 AM	96725						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD	11:30:00 AM	96726						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD	1:30:00 PM	96727						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD	3:30:00 PM	96728						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPCAD.fx	11:30:00 AM	96730						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD.fx	1:30:00 PM	96731						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCAD.fx	3:30:00 PM	96732						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF	9:30:00 AM	96733						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF	11:30:00 AM	96734						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF	1:30:00 PM	96735						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF	3:30:00 PM	96736						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF.fx	9:30:00 AM	96737						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCHF.fx	11:30:00 AM	96738						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPCHF.fx	3:30:00 PM	96740						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCZK	9:30:00 AM	96741						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	GBPCZK	11:30:00 AM	96742						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCZK	1:30:00 PM	96743						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPCZK	3:30:00 PM	96744						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK	9:30:00 AM	96745						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK	11:30:00 AM	96746						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK	1:30:00 PM	96747						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK	3:30:00 PM	96748						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK.fx	9:30:00 AM	96749						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK.fx	11:30:00 AM	96750						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK.fx	1:30:00 PM	96751						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPDKK.fx	3:30:00 PM	96752						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHKD	9:30:00 AM	96753						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHKD	11:30:00 AM	96754						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHKD	1:30:00 PM	96755						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHKD	3:30:00 PM	96756						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHUF	9:30:00 AM	96757						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHUF	11:30:00 AM	96758						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHUF	1:30:00 PM	96759						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPHUF	3:30:00 PM	96760						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPJPY	9:30:00 AM	96761						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPJPY	11:30:00 AM	96762						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPJPY.fx	11:30:00 AM	96766						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPJPY.fx	1:30:00 PM	96767						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPJPY.fx	3:30:00 PM	96768						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPMXN	9:30:00 AM	96769						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPMXN	11:30:00 AM	96770						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPMXN	1:30:00 PM	96771						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPMXN	3:30:00 PM	96772						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNOK	9:30:00 AM	96773						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNOK	11:30:00 AM	96774						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNOK	1:30:00 PM	96775						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	GBPNOK	3:30:00 PM	96776						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPNOK.fx	11:30:00 AM	96778						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNOK.fx	1:30:00 PM	96779						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNOK.fx	3:30:00 PM	96780						Continuous Quote	N/A	ELECTRONIC	N/A
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12/21/2019	GBPNZD.fx	11:30:00 AM	96786						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNZD.fx	1:30:00 PM	96787						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPNZD.fx	3:30:00 PM	96788						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN	9:30:00 AM	96789						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN	11:30:00 AM	96790						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN	1:30:00 PM	96791						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN	3:30:00 PM	96792						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN.fx	9:30:00 AM	96793						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN.fx	11:30:00 AM	96794						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN.fx	1:30:00 PM	96795						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPPLN.fx	3:30:00 PM	96796						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK	9:30:00 AM	96797						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK	11:30:00 AM	96798						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK	1:30:00 PM	96799						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK	3:30:00 PM	96800						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK.fx	9:30:00 AM	96801						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK.fx	11:30:00 AM	96802						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK.fx	1:30:00 PM	96803						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSEK.fx	3:30:00 PM	96804						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD	9:30:00 AM	96805						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD	11:30:00 AM	96806						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD	1:30:00 PM	96807						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD	3:30:00 PM	96808						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD.fx	9:30:00 AM	96809						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	GBPSGD.fx	11:30:00 AM	96810						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD.fx	1:30:00 PM	96811						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPSGD.fx	3:30:00 PM	96812						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD	9:30:00 AM	96813						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD	11:30:00 AM	96814						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD	1:30:00 PM	96815						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD	3:30:00 PM	96816						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD.fx	9:30:00 AM	96817						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD.fx	11:30:00 AM	96818						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD.fx	1:30:00 PM	96819						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPUSD.fx	3:30:00 PM	96820						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR	9:30:00 AM	96821						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR	11:30:00 AM	96822						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR	1:30:00 PM	96823						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR	3:30:00 PM	96824						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR.fx	9:30:00 AM	96825						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR.fx	11:30:00 AM	96826						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR.fx	1:30:00 PM	96827						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GBPZAR.fx	3:30:00 PM	96828						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GOLD	9:30:00 AM	96829						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GOLD	11:30:00 AM	96830						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GOLD	1:30:00 PM	96831						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	GOLD	3:30:00 PM	96832						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY	9:30:00 AM	96833						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY	11:30:00 AM	96834						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY	1:30:00 PM	96835						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY	3:30:00 PM	96836						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY.fx	9:30:00 AM	96837						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY.fx	11:30:00 AM	96838						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY.fx	1:30:00 PM	96839						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HKDJPY.fx	3:30:00 PM	96840						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HUFJPY	9:30:00 AM	96841						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HUFJPY	11:30:00 AM	96842						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	HUFJPY	1:30:00 PM	96843						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	HUFJPY	3:30:00 PM	96844						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	JP225.i	9:30:00 AM	96845						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	JP225.i	11:30:00 AM	96846						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	JP225.i	1:30:00 PM	96847						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	JP225.i	3:30:00 PM	96848						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	MXNJPY	9:30:00 AM	96849						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	MXNJPY	11:30:00 AM	96850						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	MXNJPY	1:30:00 PM	96851						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	MXNJPY	3:30:00 PM	96852						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NASDAQ.i	9:30:00 AM	96853						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NASDAQ.i	11:30:00 AM	96854						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NASDAQ.i	1:30:00 PM	96855						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NASDAQ.i	3:30:00 PM	96856						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY	9:30:00 AM	96857						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY	11:30:00 AM	96858						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY	1:30:00 PM	96859						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY	3:30:00 PM	96860						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY.fx	9:30:00 AM	96861						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY.fx	11:30:00 AM	96862						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY.fx	1:30:00 PM	96863						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NOKJPY.fx	3:30:00 PM	96864						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD	9:30:00 AM	96865						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD	11:30:00 AM	96866						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD	1:30:00 PM	96867						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD	3:30:00 PM	96868						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD.fx	9:30:00 AM	96869						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD.fx	11:30:00 AM	96870						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD.fx	1:30:00 PM	96871						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCAD.fx	3:30:00 PM	96872						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF	9:30:00 AM	96873						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF	11:30:00 AM	96874						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF	1:30:00 PM	96875						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF	3:30:00 PM	96876						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF.fx	9:30:00 AM	96877						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	NZDCHF.fx	11:30:00 AM	96878						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF.fx	1:30:00 PM	96879						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCHF.fx	3:30:00 PM	96880						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCZK	9:30:00 AM	96881						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCZK	11:30:00 AM	96882						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCZK	1:30:00 PM	96883						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDCZK	3:30:00 PM	96884						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDDKK	9:30:00 AM	96885						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDDKK	11:30:00 AM	96886						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDDKK	1:30:00 PM	96887						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDDKK	3:30:00 PM	96888						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHKD	9:30:00 AM	96889						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHKD	11:30:00 AM	96890						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHKD	1:30:00 PM	96891						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHKD	3:30:00 PM	96892						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHUF	9:30:00 AM	96893						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHUF	11:30:00 AM	96894						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHUF	1:30:00 PM	96895						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDHUF	3:30:00 PM	96896						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY	9:30:00 AM	96897						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY	11:30:00 AM	96898						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY	1:30:00 PM	96899						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY	3:30:00 PM	96900						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY.fx	9:30:00 AM	96901						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY.fx	11:30:00 AM	96902						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY.fx	1:30:00 PM	96903						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDJPY.fx	3:30:00 PM	96904						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDMXN	9:30:00 AM	96905						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDMXN	11:30:00 AM	96906						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDMXN	1:30:00 PM	96907						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDMXN	3:30:00 PM	96908						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDNOK	9:30:00 AM	96909						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDNOK	11:30:00 AM	96910						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDNOK	1:30:00 PM	96911						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	NZDNOK	3:30:00 PM	96912						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDPLN	9:30:00 AM	96913						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDPLN	11:30:00 AM	96914						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDPLN	1:30:00 PM	96915						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDPLN	3:30:00 PM	96916						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSEK	9:30:00 AM	96917						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSEK	11:30:00 AM	96918						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSEK	1:30:00 PM	96919						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSEK	3:30:00 PM	96920						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD	9:30:00 AM	96921						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD	11:30:00 AM	96922						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD	1:30:00 PM	96923						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD	3:30:00 PM	96924						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD.fx	9:30:00 AM	96925						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD.fx	11:30:00 AM	96926						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD.fx	1:30:00 PM	96927						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDSGD.fx	3:30:00 PM	96928						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD	9:30:00 AM	96929						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD	11:30:00 AM	96930						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD	1:30:00 PM	96931						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD	3:30:00 PM	96932						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD.fx	9:30:00 AM	96933						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD.fx	11:30:00 AM	96934						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD.fx	1:30:00 PM	96935						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDUSD.fx	3:30:00 PM	96936						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDZAR	9:30:00 AM	96937						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDZAR	11:30:00 AM	96938						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDZAR	1:30:00 PM	96939						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	NZDZAR	3:30:00 PM	96940						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY	9:30:00 AM	96941						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY	11:30:00 AM	96942						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY	1:30:00 PM	96943						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY	3:30:00 PM	96944						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY.fx	9:30:00 AM	96945						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	SEKJPY.fx	11:30:00 AM	96946						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY.fx	1:30:00 PM	96947						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SEKJPY.fx	3:30:00 PM	96948						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SGDJPY	9:30:00 AM	96949						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SGDJPY	11:30:00 AM	96950						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SGDJPY	1:30:00 PM	96951						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SGDJPY	3:30:00 PM	96952						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SILVER	9:30:00 AM	96953						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SILVER	11:30:00 AM	96954						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SILVER	1:30:00 PM	96955						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SILVER	3:30:00 PM	96956						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SPX500.i	9:30:00 AM	96957						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SPX500.i	11:30:00 AM	96958						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SPX500.i	1:30:00 PM	96959						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	SPX500.i	3:30:00 PM	96960						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	UK100.i	9:30:00 AM	96961						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	UK100.i	11:30:00 AM	96962						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	UK100.i	1:30:00 PM	96963						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	UK100.i	3:30:00 PM	96964						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD	9:30:00 AM	96965						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD	11:30:00 AM	96966						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD	1:30:00 PM	96967						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD	3:30:00 PM	96968						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD.fx	9:30:00 AM	96969						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD.fx	11:30:00 AM	96970						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD.fx	1:30:00 PM	96971						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCAD.fx	3:30:00 PM	96972						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF	9:30:00 AM	96973						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF	11:30:00 AM	96974						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF	1:30:00 PM	96975						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF	3:30:00 PM	96976						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF.fx	9:30:00 AM	96977						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF.fx	11:30:00 AM	96978						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCHF.fx	1:30:00 PM	96979						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	USDCHF.fx	3:30:00 PM	96980						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK	9:30:00 AM	96981						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK	11:30:00 AM	96982						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK	1:30:00 PM	96983						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK	3:30:00 PM	96984						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK.fx	9:30:00 AM	96985						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK.fx	11:30:00 AM	96986						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK.fx	1:30:00 PM	96987						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDCZK.fx	3:30:00 PM	96988						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK	9:30:00 AM	96989						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK	11:30:00 AM	96990						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK	1:30:00 PM	96991						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK	3:30:00 PM	96992						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK.fx	9:30:00 AM	96993						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK.fx	11:30:00 AM	96994						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK.fx	1:30:00 PM	96995						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDDKK.fx	3:30:00 PM	96996						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD	9:30:00 AM	96997						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD	11:30:00 AM	96998						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD	1:30:00 PM	96999						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD	3:30:00 PM	97000						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD.fx	9:30:00 AM	97001						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD.fx	11:30:00 AM	97002						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD.fx	1:30:00 PM	97003						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHKD.fx	3:30:00 PM	97004						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF	9:30:00 AM	97005						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF	11:30:00 AM	97006						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF	1:30:00 PM	97007						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF	3:30:00 PM	97008						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF.fx	9:30:00 AM	97009						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF.fx	11:30:00 AM	97010						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF.fx	1:30:00 PM	97011						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDHUF.fx	3:30:00 PM	97012						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDINR	9:30:00 AM	97013						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	USDINR	11:30:00 AM	97014						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDINR	1:30:00 PM	97015						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDINR	3:30:00 PM	97016						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY	9:30:00 AM	97017						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY	11:30:00 AM	97018						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY	1:30:00 PM	97019						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY	3:30:00 PM	97020						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY.fx	9:30:00 AM	97021						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY.fx	11:30:00 AM	97022						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY.fx	1:30:00 PM	97023						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDJPY.fx	3:30:00 PM	97024						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN	9:30:00 AM	97025						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN	11:30:00 AM	97026						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN	1:30:00 PM	97027						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN	3:30:00 PM	97028						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN.fx	9:30:00 AM	97029						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN.fx	11:30:00 AM	97030						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN.fx	1:30:00 PM	97031						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDMXN.fx	3:30:00 PM	97032						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK	9:30:00 AM	97033						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK	11:30:00 AM	97034						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK	1:30:00 PM	97035						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK	3:30:00 PM	97036						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK.fx	9:30:00 AM	97037						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK.fx	11:30:00 AM	97038						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK.fx	1:30:00 PM	97039						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDNOK.fx	3:30:00 PM	97040						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN	9:30:00 AM	97041						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN	11:30:00 AM	97042						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN	1:30:00 PM	97043						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN	3:30:00 PM	97044						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN.fx	9:30:00 AM	97045						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN.fx	11:30:00 AM	97046						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDPLN.fx	1:30:00 PM	97047						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	USDPLN.fx	3:30:00 PM	97048						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDRUB	9:30:00 AM	97049						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDRUB	11:30:00 AM	97050						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDRUB	1:30:00 PM	97051						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDRUB	3:30:00 PM	97052						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK	9:30:00 AM	97053						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK	11:30:00 AM	97054						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK	1:30:00 PM	97055						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK	3:30:00 PM	97056						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK.fx	9:30:00 AM	97057						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK.fx	11:30:00 AM	97058						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK.fx	1:30:00 PM	97059						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSEK.fx	3:30:00 PM	97060						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD	9:30:00 AM	97061						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD	11:30:00 AM	97062						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD	1:30:00 PM	97063						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD	3:30:00 PM	97064						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD.fx	9:30:00 AM	97065						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD.fx	11:30:00 AM	97066						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD.fx	1:30:00 PM	97067						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDSGD.fx	3:30:00 PM	97068						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR	9:30:00 AM	97069						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR	11:30:00 AM	97070						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR	1:30:00 PM	97071						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR	3:30:00 PM	97072						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR.fx	9:30:00 AM	97073						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR.fx	11:30:00 AM	97074						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR.fx	1:30:00 PM	97075						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	USDZAR.fx	3:30:00 PM	97076						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	XAUUSD	9:30:00 AM	97077						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	XAUUSD	11:30:00 AM	97078						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	XAUUSD	1:30:00 PM	97079						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	XAUUSD	3:30:00 PM	97080						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY	9:30:00 AM	97081						Continuous Quote	N/A	ELECTRONIC	N/A

12/21/2019	ZARJPY	11:30:00 AM	97082						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY	1:30:00 PM	97083						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY	3:30:00 PM	97084						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY.fx	9:30:00 AM	97085						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY.fx	11:30:00 AM	97086						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY.fx	1:30:00 PM	97087						Continuous Quote	N/A	ELECTRONIC	N/A
12/21/2019	ZARJPY.fx	3:30:00 PM	97088						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AA	9:30:00 AM	97089						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	#AA	1:30:00 PM	97091						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AA	3:30:00 PM	97092						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AABA	9:30:00 AM	97093						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AABA	11:30:00 AM	97094						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AABA	1:30:00 PM	97095						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AABA	3:30:00 PM	97096						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAL	9:30:00 AM	97097						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAL	11:30:00 AM	97098						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAL	1:30:00 PM	97099						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAL	3:30:00 PM	97100						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAPL	9:30:00 AM	97101						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAPL	11:30:00 AM	97102						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAPL	1:30:00 PM	97103						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AAPL	3:30:00 PM	97104						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#ADBE	9:30:00 AM	97105						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#ADBE	11:30:00 AM	97106						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#ADBE	1:30:00 PM	97107						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#ADBE	3:30:00 PM	97108						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AIG	9:30:00 AM	97109						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AIG	11:30:00 AM	97110						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AIG	1:30:00 PM	97111						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AIG	3:30:00 PM	97112						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMD	9:30:00 AM	97113						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMD	11:30:00 AM	97114						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMD	1:30:00 PM	97115						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	#AMD	3:30:00 PM	97116						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMZN	9:30:00 AM	97117						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMZN	11:30:00 AM	97118						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMZN	1:30:00 PM	97119						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AMZN	3:30:00 PM	97120						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AXP	9:30:00 AM	97121						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AXP	11:30:00 AM	97122						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AXP	1:30:00 PM	97123						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#AXP	3:30:00 PM	97124						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BA	9:30:00 AM	97125						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BA	11:30:00 AM	97126						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BA	1:30:00 PM	97127						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BA	3:30:00 PM	97128						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BABA	9:30:00 AM	97129						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BABA	11:30:00 AM	97130						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BABA	1:30:00 PM	97131						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BABA	3:30:00 PM	97132						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BAC	9:30:00 AM	97133						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BAC	11:30:00 AM	97134						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BAC	1:30:00 PM	97135						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BAC	3:30:00 PM	97136						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BARC	9:30:00 AM	97137						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BARC	11:30:00 AM	97138						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BARC	1:30:00 PM	97139						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BARC	3:30:00 PM	97140						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BHP	9:30:00 AM	97141						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BHP	11:30:00 AM	97142						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BHP	1:30:00 PM	97143						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BHP	3:30:00 PM	97144						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BIDU	9:30:00 AM	97145						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BIDU	11:30:00 AM	97146						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BIDU	1:30:00 PM	97147						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BIDU	3:30:00 PM	97148						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#Bitcoin	9:30:00 AM	97149						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	#Bitcoin	11:30:00 AM	97150						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#Bitcoin	1:30:00 PM	97151						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#Bitcoin	3:30:00 PM	97152						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BK	9:30:00 AM	97153						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BK	11:30:00 AM	97154						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BK	1:30:00 PM	97155						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BK	3:30:00 PM	97156						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BLT	9:30:00 AM	97157						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BLT	11:30:00 AM	97158						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BLT	1:30:00 PM	97159						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BLT	3:30:00 PM	97160						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BP	9:30:00 AM	97161						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BP	11:30:00 AM	97162						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BP	1:30:00 PM	97163						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BP	3:30:00 PM	97164						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BTA	9:30:00 AM	97165						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BTA	11:30:00 AM	97166						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BTA	1:30:00 PM	97167						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#BTA	3:30:00 PM	97168						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#C	9:30:00 AM	97169						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#C	11:30:00 AM	97170						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#C	1:30:00 PM	97171						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#C	3:30:00 PM	97172						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CAT	9:30:00 AM	97173						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CAT	11:30:00 AM	97174						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CAT	1:30:00 PM	97175						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CAT	3:30:00 PM	97176						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CHL	9:30:00 AM	97177						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CHL	11:30:00 AM	97178						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CHL	1:30:00 PM	97179						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	#CHL	3:30:00 PM	97180						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	AUDNOK.fx	9:30:00 AM	97581						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNOK.fx	11:30:00 AM	97582						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNOK.fx	1:30:00 PM	97583						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNOK.fx	3:30:00 PM	97584						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD	9:30:00 AM	97585						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD	11:30:00 AM	97586						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD	1:30:00 PM	97587						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD	3:30:00 PM	97588						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD.fx	9:30:00 AM	97589						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDNZD.fx	11:30:00 AM	97590						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	AUDNZD.fx	3:30:00 PM	97592						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDPLN	9:30:00 AM	97593						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDPLN	11:30:00 AM	97594						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDPLN	1:30:00 PM	97595						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDPLN	3:30:00 PM	97596						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSEK	9:30:00 AM	97597						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSEK	11:30:00 AM	97598						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	AUDSEK.fx	11:30:00 AM	97602						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSEK.fx	1:30:00 PM	97603						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSEK.fx	3:30:00 PM	97604						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD	9:30:00 AM	97605						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD	11:30:00 AM	97606						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD	1:30:00 PM	97607						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD	3:30:00 PM	97608						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD.fx	9:30:00 AM	97609						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD.fx	11:30:00 AM	97610						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD.fx	1:30:00 PM	97611						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDSGD.fx	3:30:00 PM	97612						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD	9:30:00 AM	97613						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD	11:30:00 AM	97614						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD	1:30:00 PM	97615						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD	3:30:00 PM	97616						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD.fx	9:30:00 AM	97617						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD.fx	11:30:00 AM	97618						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD.fx	1:30:00 PM	97619						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDUSD.fx	3:30:00 PM	97620						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDZAR	9:30:00 AM	97621						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDZAR	11:30:00 AM	97622						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDZAR	1:30:00 PM	97623						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUDZAR	3:30:00 PM	97624						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	AUS200.i	9:30:00 AM	97625						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	AUS200.i	11:30:00 AM	97626						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	AUS200.i	3:30:00 PM	97628						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	BCHUSD	9:30:00 AM	97629						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	BCHUSD	11:30:00 AM	97630						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	BCHUSD	1:30:00 PM	97631						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	BCHUSD	3:30:00 PM	97632						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF	9:30:00 AM	97633						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF	11:30:00 AM	97634						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF	1:30:00 PM	97635						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF	3:30:00 PM	97636						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF.fx	9:30:00 AM	97637						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF.fx	11:30:00 AM	97638						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF.fx	1:30:00 PM	97639						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCHF.fx	3:30:00 PM	97640						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCZK	9:30:00 AM	97641						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCZK	11:30:00 AM	97642						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADCZK	1:30:00 PM	97643						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CADDKK	11:30:00 AM	97646						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CADDKK	3:30:00 PM	97648						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHKD	9:30:00 AM	97649						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHKD	11:30:00 AM	97650						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHKD	1:30:00 PM	97651						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHKD	3:30:00 PM	97652						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHUF	9:30:00 AM	97653						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHUF	11:30:00 AM	97654						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHUF	1:30:00 PM	97655						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADHUF	3:30:00 PM	97656						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADJPY	9:30:00 AM	97657						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADJPY	11:30:00 AM	97658						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADJPY	1:30:00 PM	97659						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	CADJPY	3:30:00 PM	97660						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CADJPY.fx	11:30:00 AM	97662						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADJPY.fx	1:30:00 PM	97663						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADJPY.fx	3:30:00 PM	97664						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADMXN	9:30:00 AM	97665						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADMXN	11:30:00 AM	97666						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADMXN	1:30:00 PM	97667						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADMXN	3:30:00 PM	97668						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADNOK	9:30:00 AM	97669						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADNOK	11:30:00 AM	97670						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADNOK	1:30:00 PM	97671						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADNOK	3:30:00 PM	97672						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADPLN	9:30:00 AM	97673						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADPLN	11:30:00 AM	97674						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CADPLN	3:30:00 PM	97676						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSEK	9:30:00 AM	97677						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSEK	11:30:00 AM	97678						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSEK	1:30:00 PM	97679						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSEK	3:30:00 PM	97680						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSGD	9:30:00 AM	97681						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSGD	11:30:00 AM	97682						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSGD	1:30:00 PM	97683						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CADSGD	3:30:00 PM	97684						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CHFCZK	9:30:00 AM	97689						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFCZK	11:30:00 AM	97690						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFCZK	1:30:00 PM	97691						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFCZK	3:30:00 PM	97692						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK	9:30:00 AM	97693						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	CHFDKK	11:30:00 AM	97694						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK	1:30:00 PM	97695						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK	3:30:00 PM	97696						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK.fx	9:30:00 AM	97697						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK.fx	11:30:00 AM	97698						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK.fx	1:30:00 PM	97699						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFDKK.fx	3:30:00 PM	97700						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHKD	9:30:00 AM	97701						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHKD	11:30:00 AM	97702						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHKD	1:30:00 PM	97703						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHKD	3:30:00 PM	97704						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHUF	9:30:00 AM	97705						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHUF	11:30:00 AM	97706						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHUF	1:30:00 PM	97707						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFHUF	3:30:00 PM	97708						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY	9:30:00 AM	97709						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY	11:30:00 AM	97710						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY	1:30:00 PM	97711						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY	3:30:00 PM	97712						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY.fx	9:30:00 AM	97713						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY.fx	11:30:00 AM	97714						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY.fx	1:30:00 PM	97715						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFJPY.fx	3:30:00 PM	97716						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFMXN	9:30:00 AM	97717						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFMXN	11:30:00 AM	97718						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CHFMXN	3:30:00 PM	97720						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK	9:30:00 AM	97721						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK	11:30:00 AM	97722						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK	1:30:00 PM	97723						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK	3:30:00 PM	97724						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK.fx	9:30:00 AM	97725						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK.fx	11:30:00 AM	97726						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFNOK.fx	1:30:00 PM	97727						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	CHFNOK.fx	3:30:00 PM	97728						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFPLN	9:30:00 AM	97729						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFPLN	11:30:00 AM	97730						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CHFPLN.fx	11:30:00 AM	97734						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFPLN.fx	1:30:00 PM	97735						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFPLN.fx	3:30:00 PM	97736						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSEK	9:30:00 AM	97737						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSEK	11:30:00 AM	97738						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSEK	1:30:00 PM	97739						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSEK	3:30:00 PM	97740						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD	9:30:00 AM	97741						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD	11:30:00 AM	97742						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD	1:30:00 PM	97743						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD	3:30:00 PM	97744						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	CHFSGD.fx	11:30:00 AM	97746						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD.fx	1:30:00 PM	97747						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFSGD.fx	3:30:00 PM	97748						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFZAR	9:30:00 AM	97749						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFZAR	11:30:00 AM	97750						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFZAR	1:30:00 PM	97751						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CHFZAR	3:30:00 PM	97752						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CZKJPY	9:30:00 AM	97753						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CZKJPY	11:30:00 AM	97754						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CZKJPY	1:30:00 PM	97755						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	CZKJPY	3:30:00 PM	97756						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DAX30.i	9:30:00 AM	97757						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DAX30.i	11:30:00 AM	97758						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DAX30.i	1:30:00 PM	97759						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DAX30.i	3:30:00 PM	97760						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DJ30.i	9:30:00 AM	97761						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	DJ30.i	11:30:00 AM	97762						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	DJ30.i	3:30:00 PM	97764						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	DKKJPY	9:30:00 AM	97765						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURAUD	11:30:00 AM	97770						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURAUD	3:30:00 PM	97772						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURAUD.fx	9:30:00 AM	97773						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURAUD.fx	11:30:00 AM	97774						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURAUD.fx	1:30:00 PM	97775						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURAUD.fx	3:30:00 PM	97776						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCAD	9:30:00 AM	97777						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCAD	11:30:00 AM	97778						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCAD	1:30:00 PM	97779						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCAD	3:30:00 PM	97780						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURCAD.fx	11:30:00 AM	97782						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURCAD.fx	3:30:00 PM	97784						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF	9:30:00 AM	97785						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF	11:30:00 AM	97786						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF	1:30:00 PM	97787						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF	3:30:00 PM	97788						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF.fx	9:30:00 AM	97789						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF.fx	11:30:00 AM	97790						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF.fx	1:30:00 PM	97791						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCHF.fx	3:30:00 PM	97792						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCZK	9:30:00 AM	97793						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCZK	11:30:00 AM	97794						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURCZK	1:30:00 PM	97795						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	EURCZK	3:30:00 PM	97796						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURDKK	11:30:00 AM	97798						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURDKK	1:30:00 PM	97799						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURDKK	3:30:00 PM	97800						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURGBP	1:30:00 PM	97803						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURHKD	11:30:00 AM	97810						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHKD	1:30:00 PM	97811						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHKD	3:30:00 PM	97812						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHKD.fx	9:30:00 AM	97813						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHKD.fx	11:30:00 AM	97814						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHKD.fx	1:30:00 PM	97815						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURHUF	1:30:00 PM	97819						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHUF	3:30:00 PM	97820						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHUF.fx	9:30:00 AM	97821						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURHUF.fx	11:30:00 AM	97822						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURJPY	11:30:00 AM	97826						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURJPY	1:30:00 PM	97827						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURJPY	3:30:00 PM	97828						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURJPY.fx	9:30:00 AM	97829						Continuous Quote	N/A	ELECTRONIC	N/A

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12/22/2019	EURMXN	9:30:00 AM	97833						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURMXN	3:30:00 PM	97836						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURMXN.fx	9:30:00 AM	97837						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURMXN.fx	11:30:00 AM	97838						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURNOK	1:30:00 PM	97843						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNOK	3:30:00 PM	97844						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNOK.fx	9:30:00 AM	97845						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNOK.fx	11:30:00 AM	97846						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNOK.fx	1:30:00 PM	97847						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURNZD	1:30:00 PM	97851						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNZD	3:30:00 PM	97852						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNZD.fx	9:30:00 AM	97853						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNZD.fx	11:30:00 AM	97854						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURNZD.fx	1:30:00 PM	97855						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURPLN	9:30:00 AM	97857						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN	11:30:00 AM	97858						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN	1:30:00 PM	97859						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN	3:30:00 PM	97860						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN.fx	9:30:00 AM	97861						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN.fx	11:30:00 AM	97862						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURPLN.fx	1:30:00 PM	97863						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	EURPLN.fx	3:30:00 PM	97864						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURRUB	11:30:00 AM	97866						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURRUB	1:30:00 PM	97867						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURRUB	3:30:00 PM	97868						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSEK	9:30:00 AM	97869						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSEK	11:30:00 AM	97870						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSEK	1:30:00 PM	97871						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSEK	3:30:00 PM	97872						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSEK.fx	9:30:00 AM	97873						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURSEK.fx	1:30:00 PM	97875						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURSGD	9:30:00 AM	97877						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD	11:30:00 AM	97878						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD	1:30:00 PM	97879						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD	3:30:00 PM	97880						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD.fx	9:30:00 AM	97881						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD.fx	11:30:00 AM	97882						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD.fx	1:30:00 PM	97883						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURSGD.fx	3:30:00 PM	97884						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURUSD	9:30:00 AM	97885						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURUSD	11:30:00 AM	97886						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURUSD	1:30:00 PM	97887						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURUSD	3:30:00 PM	97888						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	EURZAR	9:30:00 AM	97893						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR	11:30:00 AM	97894						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR	1:30:00 PM	97895						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR	3:30:00 PM	97896						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR.fx	9:30:00 AM	97897						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	EURZAR.fx	11:30:00 AM	97898						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR.fx	1:30:00 PM	97899						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	EURZAR.fx	3:30:00 PM	97900						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPAUD	9:30:00 AM	97901						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPAUD	11:30:00 AM	97902						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPAUD	1:30:00 PM	97903						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPAUD.fx	3:30:00 PM	97908						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPCAD	9:30:00 AM	97909						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPCAD	11:30:00 AM	97910						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPCHF	9:30:00 AM	97917						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPCHF.fx	3:30:00 PM	97924						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPCZK	11:30:00 AM	97926						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPDKK	9:30:00 AM	97929						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPDKK	11:30:00 AM	97930						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPDKK	1:30:00 PM	97931						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	GBPDKK	3:30:00 PM	97932						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPDKK.fx	3:30:00 PM	97936						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPHKD	9:30:00 AM	97937						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPHKD	11:30:00 AM	97938						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPJPY.fx	3:30:00 PM	97952						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPMXN	9:30:00 AM	97953						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPMXN	11:30:00 AM	97954						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPNOK.fx	3:30:00 PM	97964						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD	9:30:00 AM	97965						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	GBPNZD	11:30:00 AM	97966						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD	1:30:00 PM	97967						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD	3:30:00 PM	97968						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD.fx	9:30:00 AM	97969						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD.fx	11:30:00 AM	97970						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD.fx	1:30:00 PM	97971						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPNZD.fx	3:30:00 PM	97972						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN	9:30:00 AM	97973						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN	11:30:00 AM	97974						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN	1:30:00 PM	97975						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN	3:30:00 PM	97976						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN.fx	9:30:00 AM	97977						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN.fx	11:30:00 AM	97978						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN.fx	1:30:00 PM	97979						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPPLN.fx	3:30:00 PM	97980						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK	9:30:00 AM	97981						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK	11:30:00 AM	97982						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK	1:30:00 PM	97983						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK	3:30:00 PM	97984						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK.fx	9:30:00 AM	97985						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK.fx	11:30:00 AM	97986						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSEK.fx	1:30:00 PM	97987						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPSGD	9:30:00 AM	97989						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD	11:30:00 AM	97990						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD	1:30:00 PM	97991						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD	3:30:00 PM	97992						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD.fx	9:30:00 AM	97993						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD.fx	11:30:00 AM	97994						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD.fx	1:30:00 PM	97995						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPSGD.fx	3:30:00 PM	97996						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPUSD	9:30:00 AM	97997						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPUSD	11:30:00 AM	97998						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPUSD	1:30:00 PM	97999						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	GBPUSD	3:30:00 PM	98000						Continuous Quote	N/A	ELECTRONIC	N/A
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12/22/2019	GBPUSD.fx	11:30:00 AM	98002						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPUSD.fx	1:30:00 PM	98003						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPUSD.fx	3:30:00 PM	98004						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR	9:30:00 AM	98005						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR	11:30:00 AM	98006						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR	1:30:00 PM	98007						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR	3:30:00 PM	98008						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR.fx	9:30:00 AM	98009						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR.fx	11:30:00 AM	98010						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR.fx	1:30:00 PM	98011						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GBPZAR.fx	3:30:00 PM	98012						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GOLD	9:30:00 AM	98013						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GOLD	11:30:00 AM	98014						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GOLD	1:30:00 PM	98015						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	GOLD	3:30:00 PM	98016						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY	9:30:00 AM	98017						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY	11:30:00 AM	98018						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY	1:30:00 PM	98019						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY	3:30:00 PM	98020						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY.fx	9:30:00 AM	98021						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY.fx	11:30:00 AM	98022						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY.fx	1:30:00 PM	98023						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HKDJPY.fx	3:30:00 PM	98024						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HUFJPY	9:30:00 AM	98025						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HUFJPY	11:30:00 AM	98026						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HUFJPY	1:30:00 PM	98027						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	HUFJPY	3:30:00 PM	98028						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	JP225.i	9:30:00 AM	98029						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	JP225.i	11:30:00 AM	98030						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	JP225.i	1:30:00 PM	98031						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	JP225.i	3:30:00 PM	98032						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	MXNJPY	9:30:00 AM	98033						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	MXNJPY	11:30:00 AM	98034						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	MXNJPY	1:30:00 PM	98035						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	MXNJPY	3:30:00 PM	98036						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NASDAQ.i	9:30:00 AM	98037						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NASDAQ.i	11:30:00 AM	98038						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NASDAQ.i	1:30:00 PM	98039						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NASDAQ.i	3:30:00 PM	98040						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY	9:30:00 AM	98041						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY	11:30:00 AM	98042						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY	1:30:00 PM	98043						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY	3:30:00 PM	98044						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY.fx	9:30:00 AM	98045						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY.fx	11:30:00 AM	98046						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY.fx	1:30:00 PM	98047						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NOKJPY.fx	3:30:00 PM	98048						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD	9:30:00 AM	98049						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD	11:30:00 AM	98050						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD	1:30:00 PM	98051						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD	3:30:00 PM	98052						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD.fx	9:30:00 AM	98053						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD.fx	11:30:00 AM	98054						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD.fx	1:30:00 PM	98055						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCAD.fx	3:30:00 PM	98056						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF	9:30:00 AM	98057						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF	11:30:00 AM	98058						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF	1:30:00 PM	98059						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF	3:30:00 PM	98060						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF.fx	9:30:00 AM	98061						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF.fx	11:30:00 AM	98062						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF.fx	1:30:00 PM	98063						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCHF.fx	3:30:00 PM	98064						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCZK	9:30:00 AM	98065						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCZK	11:30:00 AM	98066						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDCZK	1:30:00 PM	98067						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	NZDCZK	3:30:00 PM	98068						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDDKK	9:30:00 AM	98069						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDDKK	11:30:00 AM	98070						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDDKK	1:30:00 PM	98071						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDDKK	3:30:00 PM	98072						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHKD	9:30:00 AM	98073						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHKD	11:30:00 AM	98074						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHKD	1:30:00 PM	98075						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHKD	3:30:00 PM	98076						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHUF	9:30:00 AM	98077						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHUF	11:30:00 AM	98078						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHUF	1:30:00 PM	98079						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDHUF	3:30:00 PM	98080						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY	9:30:00 AM	98081						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY	11:30:00 AM	98082						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY	1:30:00 PM	98083						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY	3:30:00 PM	98084						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY.fx	9:30:00 AM	98085						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY.fx	11:30:00 AM	98086						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY.fx	1:30:00 PM	98087						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDJPY.fx	3:30:00 PM	98088						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDMXN	9:30:00 AM	98089						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDMXN	11:30:00 AM	98090						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDMXN	1:30:00 PM	98091						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDMXN	3:30:00 PM	98092						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDNOK	9:30:00 AM	98093						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDNOK	11:30:00 AM	98094						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDNOK	1:30:00 PM	98095						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDNOK	3:30:00 PM	98096						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDPLN	9:30:00 AM	98097						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDPLN	11:30:00 AM	98098						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDPLN	1:30:00 PM	98099						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDPLN	3:30:00 PM	98100						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSEK	9:30:00 AM	98101						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	NZDSEK	11:30:00 AM	98102						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSEK	1:30:00 PM	98103						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSEK	3:30:00 PM	98104						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD	9:30:00 AM	98105						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD	11:30:00 AM	98106						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD	1:30:00 PM	98107						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD	3:30:00 PM	98108						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD.fx	9:30:00 AM	98109						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD.fx	11:30:00 AM	98110						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD.fx	1:30:00 PM	98111						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDSGD.fx	3:30:00 PM	98112						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD	9:30:00 AM	98113						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD	11:30:00 AM	98114						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD	1:30:00 PM	98115						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD	3:30:00 PM	98116						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD.fx	9:30:00 AM	98117						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD.fx	11:30:00 AM	98118						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD.fx	1:30:00 PM	98119						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDUSD.fx	3:30:00 PM	98120						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDZAR	9:30:00 AM	98121						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDZAR	11:30:00 AM	98122						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDZAR	1:30:00 PM	98123						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	NZDZAR	3:30:00 PM	98124						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY	9:30:00 AM	98125						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY	11:30:00 AM	98126						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY	1:30:00 PM	98127						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY	3:30:00 PM	98128						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY.fx	9:30:00 AM	98129						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY.fx	11:30:00 AM	98130						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY.fx	1:30:00 PM	98131						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SEKJPY.fx	3:30:00 PM	98132						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SGDJPY	9:30:00 AM	98133						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SGDJPY	11:30:00 AM	98134						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SGDJPY	1:30:00 PM	98135						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	SGDJPY	3:30:00 PM	98136						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SILVER	9:30:00 AM	98137						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SILVER	11:30:00 AM	98138						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SILVER	1:30:00 PM	98139						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SILVER	3:30:00 PM	98140						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SPX500.i	9:30:00 AM	98141						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SPX500.i	11:30:00 AM	98142						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SPX500.i	1:30:00 PM	98143						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	SPX500.i	3:30:00 PM	98144						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	UK100.i	9:30:00 AM	98145						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	UK100.i	11:30:00 AM	98146						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	UK100.i	1:30:00 PM	98147						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	UK100.i	3:30:00 PM	98148						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD	9:30:00 AM	98149						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD	11:30:00 AM	98150						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD	1:30:00 PM	98151						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD	3:30:00 PM	98152						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD.fx	9:30:00 AM	98153						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD.fx	11:30:00 AM	98154						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD.fx	1:30:00 PM	98155						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCAD.fx	3:30:00 PM	98156						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF	9:30:00 AM	98157						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF	11:30:00 AM	98158						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF	1:30:00 PM	98159						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF	3:30:00 PM	98160						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF.fx	9:30:00 AM	98161						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF.fx	11:30:00 AM	98162						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF.fx	1:30:00 PM	98163						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCHF.fx	3:30:00 PM	98164						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK	9:30:00 AM	98165						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK	11:30:00 AM	98166						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK	1:30:00 PM	98167						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK	3:30:00 PM	98168						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK.fx	9:30:00 AM	98169						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	USDCZK.fx	11:30:00 AM	98170						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK.fx	1:30:00 PM	98171						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDCZK.fx	3:30:00 PM	98172						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK	9:30:00 AM	98173						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK	11:30:00 AM	98174						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK	1:30:00 PM	98175						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK	3:30:00 PM	98176						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK.fx	9:30:00 AM	98177						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK.fx	11:30:00 AM	98178						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK.fx	1:30:00 PM	98179						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDDKK.fx	3:30:00 PM	98180						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD	9:30:00 AM	98181						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD	11:30:00 AM	98182						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD	1:30:00 PM	98183						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD	3:30:00 PM	98184						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD.fx	9:30:00 AM	98185						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD.fx	11:30:00 AM	98186						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD.fx	1:30:00 PM	98187						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHKD.fx	3:30:00 PM	98188						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF	9:30:00 AM	98189						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF	11:30:00 AM	98190						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF	1:30:00 PM	98191						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF	3:30:00 PM	98192						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF.fx	9:30:00 AM	98193						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF.fx	11:30:00 AM	98194						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF.fx	1:30:00 PM	98195						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDHUF.fx	3:30:00 PM	98196						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDINR	9:30:00 AM	98197						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDINR	11:30:00 AM	98198						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDINR	1:30:00 PM	98199						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDINR	3:30:00 PM	98200						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY	9:30:00 AM	98201						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY	11:30:00 AM	98202						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY	1:30:00 PM	98203						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	USDJPY	3:30:00 PM	98204						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY.fx	9:30:00 AM	98205						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY.fx	11:30:00 AM	98206						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY.fx	1:30:00 PM	98207						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDJPY.fx	3:30:00 PM	98208						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN	9:30:00 AM	98209						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN	11:30:00 AM	98210						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN	1:30:00 PM	98211						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN	3:30:00 PM	98212						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN.fx	9:30:00 AM	98213						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN.fx	11:30:00 AM	98214						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN.fx	1:30:00 PM	98215						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDMXN.fx	3:30:00 PM	98216						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK	9:30:00 AM	98217						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK	11:30:00 AM	98218						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK	1:30:00 PM	98219						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK	3:30:00 PM	98220						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK.fx	9:30:00 AM	98221						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK.fx	11:30:00 AM	98222						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK.fx	1:30:00 PM	98223						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDNOK.fx	3:30:00 PM	98224						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN	9:30:00 AM	98225						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN	11:30:00 AM	98226						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN	1:30:00 PM	98227						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN	3:30:00 PM	98228						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN.fx	9:30:00 AM	98229						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN.fx	11:30:00 AM	98230						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN.fx	1:30:00 PM	98231						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDPLN.fx	3:30:00 PM	98232						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDRUB	9:30:00 AM	98233						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDRUB	11:30:00 AM	98234						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDRUB	1:30:00 PM	98235						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDRUB	3:30:00 PM	98236						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK	9:30:00 AM	98237						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	USDSEK	11:30:00 AM	98238						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK	1:30:00 PM	98239						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK	3:30:00 PM	98240						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK.fx	9:30:00 AM	98241						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK.fx	11:30:00 AM	98242						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK.fx	1:30:00 PM	98243						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSEK.fx	3:30:00 PM	98244						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD	9:30:00 AM	98245						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD	11:30:00 AM	98246						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD	1:30:00 PM	98247						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD	3:30:00 PM	98248						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD.fx	9:30:00 AM	98249						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD.fx	11:30:00 AM	98250						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD.fx	1:30:00 PM	98251						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDSGD.fx	3:30:00 PM	98252						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR	9:30:00 AM	98253						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR	11:30:00 AM	98254						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR	1:30:00 PM	98255						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR	3:30:00 PM	98256						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR.fx	9:30:00 AM	98257						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR.fx	11:30:00 AM	98258						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR.fx	1:30:00 PM	98259						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	USDZAR.fx	3:30:00 PM	98260						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	XAUUSD	9:30:00 AM	98261						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	XAUUSD	11:30:00 AM	98262						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	XAUUSD	1:30:00 PM	98263						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	XAUUSD	3:30:00 PM	98264						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY	9:30:00 AM	98265						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY	11:30:00 AM	98266						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY	1:30:00 PM	98267						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY	3:30:00 PM	98268						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY.fx	9:30:00 AM	98269						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY.fx	11:30:00 AM	98270						Continuous Quote	N/A	ELECTRONIC	N/A
12/22/2019	ZARJPY.fx	1:30:00 PM	98271						Continuous Quote	N/A	ELECTRONIC	N/A

12/22/2019	ZARJPY.fx	3:30:00 PM	98272						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AA	9:30:00 AM	98273						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AA	11:30:00 AM	98274						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AA	1:30:00 PM	98275						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AA	3:30:00 PM	98276						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AABA	9:30:00 AM	98277						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AABA	11:30:00 AM	98278						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AABA	1:30:00 PM	98279						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AABA	3:30:00 PM	98280						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAL	9:30:00 AM	98281						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAL	11:30:00 AM	98282						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAL	1:30:00 PM	98283						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAL	3:30:00 PM	98284						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAPL	9:30:00 AM	98285						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAPL	11:30:00 AM	98286						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAPL	1:30:00 PM	98287						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AAPL	3:30:00 PM	98288						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#ADBE	9:30:00 AM	98289						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#ADBE	11:30:00 AM	98290						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#ADBE	1:30:00 PM	98291						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#ADBE	3:30:00 PM	98292						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AIG	9:30:00 AM	98293						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AIG	11:30:00 AM	98294						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AIG	1:30:00 PM	98295						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AIG	3:30:00 PM	98296						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMD	9:30:00 AM	98297						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMD	11:30:00 AM	98298						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMD	1:30:00 PM	98299						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMD	3:30:00 PM	98300						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMZN	9:30:00 AM	98301						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMZN	11:30:00 AM	98302						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMZN	1:30:00 PM	98303						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AMZN	3:30:00 PM	98304						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AXP	9:30:00 AM	98305						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	#AXP	11:30:00 AM	98306						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AXP	1:30:00 PM	98307						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#AXP	3:30:00 PM	98308						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BA	9:30:00 AM	98309						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BA	11:30:00 AM	98310						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BA	1:30:00 PM	98311						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BA	3:30:00 PM	98312						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BABA	9:30:00 AM	98313						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BABA	11:30:00 AM	98314						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BABA	1:30:00 PM	98315						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BABA	3:30:00 PM	98316						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BAC	9:30:00 AM	98317						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BAC	11:30:00 AM	98318						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BAC	1:30:00 PM	98319						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BAC	3:30:00 PM	98320						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BARC	9:30:00 AM	98321						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BARC	11:30:00 AM	98322						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BARC	1:30:00 PM	98323						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BARC	3:30:00 PM	98324						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BHP	9:30:00 AM	98325						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BHP	11:30:00 AM	98326						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BHP	1:30:00 PM	98327						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BHP	3:30:00 PM	98328						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BIDU	9:30:00 AM	98329						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BIDU	11:30:00 AM	98330						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BIDU	1:30:00 PM	98331						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BIDU	3:30:00 PM	98332						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#Bitcoin	9:30:00 AM	98333						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#Bitcoin	11:30:00 AM	98334						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#Bitcoin	1:30:00 PM	98335						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#Bitcoin	3:30:00 PM	98336						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BK	9:30:00 AM	98337						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BK	11:30:00 AM	98338						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BK	1:30:00 PM	98339						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	#BK	3:30:00 PM	98340						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BLT	9:30:00 AM	98341						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BLT	11:30:00 AM	98342						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BLT	1:30:00 PM	98343						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BLT	3:30:00 PM	98344						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BP	9:30:00 AM	98345						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BP	11:30:00 AM	98346						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BP	1:30:00 PM	98347						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BP	3:30:00 PM	98348						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BTA	9:30:00 AM	98349						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BTA	11:30:00 AM	98350						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BTA	1:30:00 PM	98351						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#BTA	3:30:00 PM	98352						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#C	9:30:00 AM	98353						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#C	11:30:00 AM	98354						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#C	1:30:00 PM	98355						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#C	3:30:00 PM	98356						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	#NG.f	9:30:00 AM	98565						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	#NG.f	3:30:00 PM	98568						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	#NKE	1:30:00 PM	98571						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	#PBR	3:30:00 PM	98592						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	#PEP	3:30:00 PM	98596						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	#PFE	9:30:00 AM	98597						Continuous Quote	N/A	ELECTRONIC	N/A
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12/23/2019	AUDJPY.fx	1:30:00 PM	98755						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDJPY.fx	3:30:00 PM	98756						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDMXN	9:30:00 AM	98757						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDMXN	11:30:00 AM	98758						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDMXN	1:30:00 PM	98759						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDMXN	3:30:00 PM	98760						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK	9:30:00 AM	98761						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK	11:30:00 AM	98762						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK	1:30:00 PM	98763						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK	3:30:00 PM	98764						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK.fx	9:30:00 AM	98765						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK.fx	11:30:00 AM	98766						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK.fx	1:30:00 PM	98767						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNOK.fx	3:30:00 PM	98768						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD	9:30:00 AM	98769						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD	11:30:00 AM	98770						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD	1:30:00 PM	98771						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD	3:30:00 PM	98772						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD.fx	9:30:00 AM	98773						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD.fx	11:30:00 AM	98774						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD.fx	1:30:00 PM	98775						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDNZD.fx	3:30:00 PM	98776						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDPLN	9:30:00 AM	98777						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDPLN	11:30:00 AM	98778						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDPLN	1:30:00 PM	98779						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDPLN	3:30:00 PM	98780						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK	9:30:00 AM	98781						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	AUDSEK	11:30:00 AM	98782						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK	1:30:00 PM	98783						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK	3:30:00 PM	98784						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK.fx	9:30:00 AM	98785						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK.fx	11:30:00 AM	98786						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK.fx	1:30:00 PM	98787						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSEK.fx	3:30:00 PM	98788						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD	9:30:00 AM	98789						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD	11:30:00 AM	98790						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD	1:30:00 PM	98791						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD	3:30:00 PM	98792						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD.fx	9:30:00 AM	98793						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD.fx	11:30:00 AM	98794						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD.fx	1:30:00 PM	98795						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDSGD.fx	3:30:00 PM	98796						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD	9:30:00 AM	98797						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD	11:30:00 AM	98798						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD	1:30:00 PM	98799						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD	3:30:00 PM	98800						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD.fx	9:30:00 AM	98801						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD.fx	11:30:00 AM	98802						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD.fx	1:30:00 PM	98803						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDUSD.fx	3:30:00 PM	98804						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDZAR	9:30:00 AM	98805						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDZAR	11:30:00 AM	98806						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDZAR	1:30:00 PM	98807						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUDZAR	3:30:00 PM	98808						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUS200.i	9:30:00 AM	98809						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUS200.i	11:30:00 AM	98810						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUS200.i	1:30:00 PM	98811						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	AUS200.i	3:30:00 PM	98812						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	BCHUSD	9:30:00 AM	98813						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	BCHUSD	11:30:00 AM	98814						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	BCHUSD	1:30:00 PM	98815						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	BCHUSD	3:30:00 PM	98816						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF	9:30:00 AM	98817						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF	11:30:00 AM	98818						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF	1:30:00 PM	98819						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF	3:30:00 PM	98820						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF.fx	9:30:00 AM	98821						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF.fx	11:30:00 AM	98822						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF.fx	1:30:00 PM	98823						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCHF.fx	3:30:00 PM	98824						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCZK	9:30:00 AM	98825						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCZK	11:30:00 AM	98826						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCZK	1:30:00 PM	98827						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADCZK	3:30:00 PM	98828						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADDDKK	9:30:00 AM	98829						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADDDKK	11:30:00 AM	98830						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADDDKK	1:30:00 PM	98831						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADDDKK	3:30:00 PM	98832						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHKD	9:30:00 AM	98833						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHKD	11:30:00 AM	98834						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHKD	1:30:00 PM	98835						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHKD	3:30:00 PM	98836						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHUF	9:30:00 AM	98837						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHUF	11:30:00 AM	98838						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHUF	1:30:00 PM	98839						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADHUF	3:30:00 PM	98840						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY	9:30:00 AM	98841						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY	11:30:00 AM	98842						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY	1:30:00 PM	98843						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY	3:30:00 PM	98844						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY.fx	9:30:00 AM	98845						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY.fx	11:30:00 AM	98846						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY.fx	1:30:00 PM	98847						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADJPY.fx	3:30:00 PM	98848						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADMXN	9:30:00 AM	98849						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	CADMXN	11:30:00 AM	98850						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADMXN	1:30:00 PM	98851						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADMXN	3:30:00 PM	98852						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADNOK	9:30:00 AM	98853						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADNOK	11:30:00 AM	98854						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADNOK	1:30:00 PM	98855						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADNOK	3:30:00 PM	98856						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADPLN	9:30:00 AM	98857						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADPLN	11:30:00 AM	98858						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADPLN	1:30:00 PM	98859						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADPLN	3:30:00 PM	98860						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSEK	9:30:00 AM	98861						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSEK	11:30:00 AM	98862						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSEK	1:30:00 PM	98863						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSEK	3:30:00 PM	98864						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSGD	9:30:00 AM	98865						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSGD	11:30:00 AM	98866						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSGD	1:30:00 PM	98867						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADSGD	3:30:00 PM	98868						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADZAR	9:30:00 AM	98869						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADZAR	11:30:00 AM	98870						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADZAR	1:30:00 PM	98871						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CADZAR	3:30:00 PM	98872						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFCZK	9:30:00 AM	98873						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFCZK	11:30:00 AM	98874						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFCZK	1:30:00 PM	98875						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFCZK	3:30:00 PM	98876						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK	9:30:00 AM	98877						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK	11:30:00 AM	98878						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK	1:30:00 PM	98879						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK	3:30:00 PM	98880						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK.fx	9:30:00 AM	98881						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK.fx	11:30:00 AM	98882						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFDKK.fx	1:30:00 PM	98883						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	CHFDKK.fx	3:30:00 PM	98884						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHKD	9:30:00 AM	98885						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHKD	11:30:00 AM	98886						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHKD	1:30:00 PM	98887						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHKD	3:30:00 PM	98888						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHUF	9:30:00 AM	98889						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHUF	11:30:00 AM	98890						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHUF	1:30:00 PM	98891						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFHUF	3:30:00 PM	98892						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY	9:30:00 AM	98893						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY	11:30:00 AM	98894						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY	1:30:00 PM	98895						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY	3:30:00 PM	98896						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY.fx	9:30:00 AM	98897						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY.fx	11:30:00 AM	98898						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY.fx	1:30:00 PM	98899						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFJPY.fx	3:30:00 PM	98900						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFMXN	9:30:00 AM	98901						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFMXN	11:30:00 AM	98902						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFMXN	1:30:00 PM	98903						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFMXN	3:30:00 PM	98904						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK	9:30:00 AM	98905						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK	11:30:00 AM	98906						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK	1:30:00 PM	98907						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK	3:30:00 PM	98908						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK.fx	9:30:00 AM	98909						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK.fx	11:30:00 AM	98910						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK.fx	1:30:00 PM	98911						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFNOK.fx	3:30:00 PM	98912						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN	9:30:00 AM	98913						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN	11:30:00 AM	98914						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN	1:30:00 PM	98915						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN	3:30:00 PM	98916						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN.fx	9:30:00 AM	98917						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	CHFPLN.fx	11:30:00 AM	98918						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN.fx	1:30:00 PM	98919						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFPLN.fx	3:30:00 PM	98920						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSEK	9:30:00 AM	98921						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSEK	11:30:00 AM	98922						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSEK	1:30:00 PM	98923						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSEK	3:30:00 PM	98924						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD	9:30:00 AM	98925						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD	11:30:00 AM	98926						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD	1:30:00 PM	98927						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD	3:30:00 PM	98928						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD.fx	9:30:00 AM	98929						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD.fx	11:30:00 AM	98930						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD.fx	1:30:00 PM	98931						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFSGD.fx	3:30:00 PM	98932						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFZAR	9:30:00 AM	98933						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFZAR	11:30:00 AM	98934						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFZAR	1:30:00 PM	98935						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CHFZAR	3:30:00 PM	98936						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CZKJPY	9:30:00 AM	98937						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CZKJPY	11:30:00 AM	98938						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CZKJPY	1:30:00 PM	98939						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	CZKJPY	3:30:00 PM	98940						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DAX30.i	9:30:00 AM	98941						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DAX30.i	11:30:00 AM	98942						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DAX30.i	1:30:00 PM	98943						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DAX30.i	3:30:00 PM	98944						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DJ30.i	9:30:00 AM	98945						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DJ30.i	11:30:00 AM	98946						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DJ30.i	1:30:00 PM	98947						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DJ30.i	3:30:00 PM	98948						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DKKJPY	9:30:00 AM	98949						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DKKJPY	11:30:00 AM	98950						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	DKKJPY	1:30:00 PM	98951						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	DKKJPY	3:30:00 PM	98952						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD	9:30:00 AM	98953						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD	11:30:00 AM	98954						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD	1:30:00 PM	98955						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD	3:30:00 PM	98956						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD.fx	9:30:00 AM	98957						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD.fx	11:30:00 AM	98958						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD.fx	1:30:00 PM	98959						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURAUD.fx	3:30:00 PM	98960						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD	9:30:00 AM	98961						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD	11:30:00 AM	98962						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD	1:30:00 PM	98963						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD	3:30:00 PM	98964						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD.fx	9:30:00 AM	98965						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD.fx	11:30:00 AM	98966						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD.fx	1:30:00 PM	98967						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCAD.fx	3:30:00 PM	98968						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF	9:30:00 AM	98969						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF	11:30:00 AM	98970						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF	1:30:00 PM	98971						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF	3:30:00 PM	98972						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF.fx	9:30:00 AM	98973						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF.fx	11:30:00 AM	98974						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF.fx	1:30:00 PM	98975						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCHF.fx	3:30:00 PM	98976						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCZK	9:30:00 AM	98977						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCZK	11:30:00 AM	98978						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCZK	1:30:00 PM	98979						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURCZK	3:30:00 PM	98980						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURDKK	9:30:00 AM	98981						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURDKK	11:30:00 AM	98982						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURDKK	1:30:00 PM	98983						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURDKK	3:30:00 PM	98984						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP	9:30:00 AM	98985						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	EURGBP	11:30:00 AM	98986						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP	1:30:00 PM	98987						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP	3:30:00 PM	98988						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP.fx	9:30:00 AM	98989						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP.fx	11:30:00 AM	98990						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP.fx	1:30:00 PM	98991						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURGBP.fx	3:30:00 PM	98992						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD	9:30:00 AM	98993						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD	11:30:00 AM	98994						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD	1:30:00 PM	98995						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD	3:30:00 PM	98996						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD.fx	9:30:00 AM	98997						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD.fx	11:30:00 AM	98998						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD.fx	1:30:00 PM	98999						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHKD.fx	3:30:00 PM	99000						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF	9:30:00 AM	99001						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF	11:30:00 AM	99002						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF	1:30:00 PM	99003						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF	3:30:00 PM	99004						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF.fx	9:30:00 AM	99005						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF.fx	11:30:00 AM	99006						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF.fx	1:30:00 PM	99007						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURHUF.fx	3:30:00 PM	99008						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY	9:30:00 AM	99009						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY	11:30:00 AM	99010						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY	1:30:00 PM	99011						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY	3:30:00 PM	99012						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY.fx	9:30:00 AM	99013						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY.fx	11:30:00 AM	99014						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY.fx	1:30:00 PM	99015						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURJPY.fx	3:30:00 PM	99016						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN	9:30:00 AM	99017						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN	11:30:00 AM	99018						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN	1:30:00 PM	99019						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	EURMXN	3:30:00 PM	99020						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN.fx	9:30:00 AM	99021						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN.fx	11:30:00 AM	99022						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN.fx	1:30:00 PM	99023						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURMXN.fx	3:30:00 PM	99024						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK	9:30:00 AM	99025						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK	11:30:00 AM	99026						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK	1:30:00 PM	99027						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK	3:30:00 PM	99028						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK.fx	9:30:00 AM	99029						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK.fx	11:30:00 AM	99030						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK.fx	1:30:00 PM	99031						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNOK.fx	3:30:00 PM	99032						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD	9:30:00 AM	99033						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD	11:30:00 AM	99034						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD	1:30:00 PM	99035						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD	3:30:00 PM	99036						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD.fx	9:30:00 AM	99037						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD.fx	11:30:00 AM	99038						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD.fx	1:30:00 PM	99039						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURNZD.fx	3:30:00 PM	99040						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN	9:30:00 AM	99041						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN	11:30:00 AM	99042						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN	1:30:00 PM	99043						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN	3:30:00 PM	99044						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN.fx	9:30:00 AM	99045						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN.fx	11:30:00 AM	99046						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN.fx	1:30:00 PM	99047						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURPLN.fx	3:30:00 PM	99048						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURRUB	9:30:00 AM	99049						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURRUB	11:30:00 AM	99050						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURRUB	1:30:00 PM	99051						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURRUB	3:30:00 PM	99052						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK	9:30:00 AM	99053						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	EURSEK	11:30:00 AM	99054						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK	1:30:00 PM	99055						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK	3:30:00 PM	99056						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK.fx	9:30:00 AM	99057						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK.fx	11:30:00 AM	99058						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK.fx	1:30:00 PM	99059						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSEK.fx	3:30:00 PM	99060						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD	9:30:00 AM	99061						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD	11:30:00 AM	99062						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD	1:30:00 PM	99063						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD	3:30:00 PM	99064						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD.fx	9:30:00 AM	99065						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD.fx	11:30:00 AM	99066						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD.fx	1:30:00 PM	99067						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURSGD.fx	3:30:00 PM	99068						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD	9:30:00 AM	99069						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD	11:30:00 AM	99070						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD	1:30:00 PM	99071						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD	3:30:00 PM	99072						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD.fx	9:30:00 AM	99073						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD.fx	11:30:00 AM	99074						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD.fx	1:30:00 PM	99075						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURUSD.fx	3:30:00 PM	99076						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR	9:30:00 AM	99077						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR	11:30:00 AM	99078						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR	1:30:00 PM	99079						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR	3:30:00 PM	99080						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR.fx	9:30:00 AM	99081						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR.fx	11:30:00 AM	99082						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR.fx	1:30:00 PM	99083						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	EURZAR.fx	3:30:00 PM	99084						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD	9:30:00 AM	99085						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD	11:30:00 AM	99086						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD	1:30:00 PM	99087						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	GBPAUD	3:30:00 PM	99088						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD.fx	9:30:00 AM	99089						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD.fx	11:30:00 AM	99090						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD.fx	1:30:00 PM	99091						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPAUD.fx	3:30:00 PM	99092						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD	9:30:00 AM	99093						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD	11:30:00 AM	99094						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD	1:30:00 PM	99095						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD	3:30:00 PM	99096						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD.fx	9:30:00 AM	99097						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD.fx	11:30:00 AM	99098						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD.fx	1:30:00 PM	99099						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCAD.fx	3:30:00 PM	99100						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF	9:30:00 AM	99101						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF	11:30:00 AM	99102						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF	1:30:00 PM	99103						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF	3:30:00 PM	99104						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF.fx	9:30:00 AM	99105						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF.fx	11:30:00 AM	99106						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF.fx	1:30:00 PM	99107						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCHF.fx	3:30:00 PM	99108						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCZK	9:30:00 AM	99109						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCZK	11:30:00 AM	99110						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCZK	1:30:00 PM	99111						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPCZK	3:30:00 PM	99112						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK	9:30:00 AM	99113						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK	11:30:00 AM	99114						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK	1:30:00 PM	99115						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK	3:30:00 PM	99116						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK.fx	9:30:00 AM	99117						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK.fx	11:30:00 AM	99118						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK.fx	1:30:00 PM	99119						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPDKK.fx	3:30:00 PM	99120						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHKD	9:30:00 AM	99121						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	GBPHKD	11:30:00 AM	99122						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHKD	1:30:00 PM	99123						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHKD	3:30:00 PM	99124						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHUF	9:30:00 AM	99125						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHUF	11:30:00 AM	99126						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHUF	1:30:00 PM	99127						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPHUF	3:30:00 PM	99128						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY	9:30:00 AM	99129						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY	11:30:00 AM	99130						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY	1:30:00 PM	99131						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY	3:30:00 PM	99132						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY.fx	9:30:00 AM	99133						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY.fx	11:30:00 AM	99134						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY.fx	1:30:00 PM	99135						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPJPY.fx	3:30:00 PM	99136						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPMXN	9:30:00 AM	99137						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPMXN	11:30:00 AM	99138						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPMXN	1:30:00 PM	99139						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPMXN	3:30:00 PM	99140						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK	9:30:00 AM	99141						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK	11:30:00 AM	99142						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK	1:30:00 PM	99143						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK	3:30:00 PM	99144						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK.fx	9:30:00 AM	99145						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK.fx	11:30:00 AM	99146						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK.fx	1:30:00 PM	99147						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNOK.fx	3:30:00 PM	99148						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD	9:30:00 AM	99149						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD	11:30:00 AM	99150						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD	1:30:00 PM	99151						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD	3:30:00 PM	99152						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD.fx	9:30:00 AM	99153						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD.fx	11:30:00 AM	99154						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPNZD.fx	1:30:00 PM	99155						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	GBPNZD.fx	3:30:00 PM	99156						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN	9:30:00 AM	99157						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN	11:30:00 AM	99158						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN	1:30:00 PM	99159						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN	3:30:00 PM	99160						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN.fx	9:30:00 AM	99161						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN.fx	11:30:00 AM	99162						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN.fx	1:30:00 PM	99163						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPPLN.fx	3:30:00 PM	99164						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK	9:30:00 AM	99165						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK	11:30:00 AM	99166						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK	1:30:00 PM	99167						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK	3:30:00 PM	99168						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK.fx	9:30:00 AM	99169						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK.fx	11:30:00 AM	99170						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK.fx	1:30:00 PM	99171						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSEK.fx	3:30:00 PM	99172						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD	9:30:00 AM	99173						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD	11:30:00 AM	99174						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD	1:30:00 PM	99175						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD	3:30:00 PM	99176						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD.fx	9:30:00 AM	99177						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD.fx	11:30:00 AM	99178						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD.fx	1:30:00 PM	99179						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPSGD.fx	3:30:00 PM	99180						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD	9:30:00 AM	99181						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD	11:30:00 AM	99182						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD	1:30:00 PM	99183						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD	3:30:00 PM	99184						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD.fx	9:30:00 AM	99185						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD.fx	11:30:00 AM	99186						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD.fx	1:30:00 PM	99187						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPUSD.fx	3:30:00 PM	99188						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR	9:30:00 AM	99189						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	GBPZAR	11:30:00 AM	99190						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR	1:30:00 PM	99191						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR	3:30:00 PM	99192						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR.fx	9:30:00 AM	99193						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR.fx	11:30:00 AM	99194						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR.fx	1:30:00 PM	99195						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GBPZAR.fx	3:30:00 PM	99196						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GOLD	9:30:00 AM	99197						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GOLD	11:30:00 AM	99198						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GOLD	1:30:00 PM	99199						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	GOLD	3:30:00 PM	99200						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY	9:30:00 AM	99201						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY	11:30:00 AM	99202						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY	1:30:00 PM	99203						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY	3:30:00 PM	99204						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY.fx	9:30:00 AM	99205						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY.fx	11:30:00 AM	99206						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY.fx	1:30:00 PM	99207						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HKDJPY.fx	3:30:00 PM	99208						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HUFJPY	9:30:00 AM	99209						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HUFJPY	11:30:00 AM	99210						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HUFJPY	1:30:00 PM	99211						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	HUFJPY	3:30:00 PM	99212						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JP225.i	9:30:00 AM	99213						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JP225.i	11:30:00 AM	99214						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JP225.i	1:30:00 PM	99215						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JP225.i	3:30:00 PM	99216						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	MXNJPY	9:30:00 AM	99217						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	MXNJPY	11:30:00 AM	99218						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	MXNJPY	1:30:00 PM	99219						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	MXNJPY	3:30:00 PM	99220						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NASDAQ.i	9:30:00 AM	99221						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NASDAQ.i	11:30:00 AM	99222						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NASDAQ.i	1:30:00 PM	99223						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	NASDAQ.i	3:30:00 PM	99224						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY	9:30:00 AM	99225						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY	11:30:00 AM	99226						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY	1:30:00 PM	99227						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY	3:30:00 PM	99228						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY.fx	9:30:00 AM	99229						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY.fx	11:30:00 AM	99230						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY.fx	1:30:00 PM	99231						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NOKJPY.fx	3:30:00 PM	99232						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD	9:30:00 AM	99233						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD	11:30:00 AM	99234						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD	1:30:00 PM	99235						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD	3:30:00 PM	99236						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD.fx	9:30:00 AM	99237						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD.fx	11:30:00 AM	99238						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD.fx	1:30:00 PM	99239						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCAD.fx	3:30:00 PM	99240						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF	9:30:00 AM	99241						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF	11:30:00 AM	99242						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF	1:30:00 PM	99243						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF	3:30:00 PM	99244						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF.fx	9:30:00 AM	99245						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF.fx	11:30:00 AM	99246						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF.fx	1:30:00 PM	99247						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCHF.fx	3:30:00 PM	99248						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCZK	9:30:00 AM	99249						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCZK	11:30:00 AM	99250						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCZK	1:30:00 PM	99251						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDCZK	3:30:00 PM	99252						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDDKK	9:30:00 AM	99253						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDDKK	11:30:00 AM	99254						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDDKK	1:30:00 PM	99255						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDDKK	3:30:00 PM	99256						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHKD	9:30:00 AM	99257						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	NZDHKD	11:30:00 AM	99258						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHKD	1:30:00 PM	99259						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHKD	3:30:00 PM	99260						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHUF	9:30:00 AM	99261						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHUF	11:30:00 AM	99262						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHUF	1:30:00 PM	99263						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDHUF	3:30:00 PM	99264						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY	9:30:00 AM	99265						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY	11:30:00 AM	99266						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY	1:30:00 PM	99267						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY	3:30:00 PM	99268						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY.fx	9:30:00 AM	99269						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY.fx	11:30:00 AM	99270						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY.fx	1:30:00 PM	99271						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDJPY.fx	3:30:00 PM	99272						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDMXN	9:30:00 AM	99273						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDMXN	11:30:00 AM	99274						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDMXN	1:30:00 PM	99275						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDMXN	3:30:00 PM	99276						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDNOK	9:30:00 AM	99277						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDNOK	11:30:00 AM	99278						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDNOK	1:30:00 PM	99279						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDNOK	3:30:00 PM	99280						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDPLN	9:30:00 AM	99281						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDPLN	11:30:00 AM	99282						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDPLN	1:30:00 PM	99283						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDPLN	3:30:00 PM	99284						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSEK	9:30:00 AM	99285						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSEK	11:30:00 AM	99286						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSEK	1:30:00 PM	99287						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSEK	3:30:00 PM	99288						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD	9:30:00 AM	99289						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD	11:30:00 AM	99290						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD	1:30:00 PM	99291						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	NZDSGD	3:30:00 PM	99292						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD.fx	9:30:00 AM	99293						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD.fx	11:30:00 AM	99294						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD.fx	1:30:00 PM	99295						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDSGD.fx	3:30:00 PM	99296						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD	9:30:00 AM	99297						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD	11:30:00 AM	99298						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD	1:30:00 PM	99299						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD	3:30:00 PM	99300						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD.fx	9:30:00 AM	99301						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD.fx	11:30:00 AM	99302						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD.fx	1:30:00 PM	99303						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDUSD.fx	3:30:00 PM	99304						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDZAR	9:30:00 AM	99305						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDZAR	11:30:00 AM	99306						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDZAR	1:30:00 PM	99307						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	NZDZAR	3:30:00 PM	99308						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY	9:30:00 AM	99309						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY	11:30:00 AM	99310						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY	1:30:00 PM	99311						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY	3:30:00 PM	99312						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY.fx	9:30:00 AM	99313						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY.fx	11:30:00 AM	99314						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY.fx	1:30:00 PM	99315						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SEKJPY.fx	3:30:00 PM	99316						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SGDJPY	9:30:00 AM	99317						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SGDJPY	11:30:00 AM	99318						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SGDJPY	1:30:00 PM	99319						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SGDJPY	3:30:00 PM	99320						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SILVER	9:30:00 AM	99321						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SILVER	11:30:00 AM	99322						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SILVER	1:30:00 PM	99323						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SILVER	3:30:00 PM	99324						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SPX500.i	9:30:00 AM	99325						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	SPX500.i	11:30:00 AM	99326						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SPX500.i	1:30:00 PM	99327						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	SPX500.i	3:30:00 PM	99328						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	UK100.i	9:30:00 AM	99329						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	UK100.i	11:30:00 AM	99330						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	UK100.i	1:30:00 PM	99331						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	UK100.i	3:30:00 PM	99332						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD	9:30:00 AM	99333						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD	11:30:00 AM	99334						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD	1:30:00 PM	99335						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD	3:30:00 PM	99336						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD.fx	9:30:00 AM	99337						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD.fx	11:30:00 AM	99338						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD.fx	1:30:00 PM	99339						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCAD.fx	3:30:00 PM	99340						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF	9:30:00 AM	99341						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF	11:30:00 AM	99342						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF	1:30:00 PM	99343						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF	3:30:00 PM	99344						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF.fx	9:30:00 AM	99345						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF.fx	11:30:00 AM	99346						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF.fx	1:30:00 PM	99347						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCHF.fx	3:30:00 PM	99348						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK	9:30:00 AM	99349						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK	11:30:00 AM	99350						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK	1:30:00 PM	99351						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK	3:30:00 PM	99352						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK.fx	9:30:00 AM	99353						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK.fx	11:30:00 AM	99354						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK.fx	1:30:00 PM	99355						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDCZK.fx	3:30:00 PM	99356						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK	9:30:00 AM	99357						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK	11:30:00 AM	99358						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK	1:30:00 PM	99359						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	USDDKK	3:30:00 PM	99360						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK.fx	9:30:00 AM	99361						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK.fx	11:30:00 AM	99362						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK.fx	1:30:00 PM	99363						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDDKK.fx	3:30:00 PM	99364						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD	9:30:00 AM	99365						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD	11:30:00 AM	99366						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD	1:30:00 PM	99367						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD	3:30:00 PM	99368						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD.fx	9:30:00 AM	99369						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD.fx	11:30:00 AM	99370						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD.fx	1:30:00 PM	99371						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHKD.fx	3:30:00 PM	99372						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF	9:30:00 AM	99373						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF	11:30:00 AM	99374						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF	1:30:00 PM	99375						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF	3:30:00 PM	99376						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF.fx	9:30:00 AM	99377						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF.fx	11:30:00 AM	99378						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF.fx	1:30:00 PM	99379						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDHUF.fx	3:30:00 PM	99380						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDINR	9:30:00 AM	99381						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDINR	11:30:00 AM	99382						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDINR	1:30:00 PM	99383						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDINR	3:30:00 PM	99384						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY	9:30:00 AM	99385						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY	11:30:00 AM	99386						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY	1:30:00 PM	99387						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY	3:30:00 PM	99388						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY.fx	9:30:00 AM	99389						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY.fx	11:30:00 AM	99390						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY.fx	1:30:00 PM	99391						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDJPY.fx	3:30:00 PM	99392						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDMXN	9:30:00 AM	99393						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	USDMXN	11:30:00 AM	99394						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDMXN	1:30:00 PM	99395						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDMXN	3:30:00 PM	99396						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JSDMXN.fx	9:30:00 AM	99397						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JSDMXN.fx	11:30:00 AM	99398						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JSDMXN.fx	1:30:00 PM	99399						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	JSDMXN.fx	3:30:00 PM	99400						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK	9:30:00 AM	99401						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK	11:30:00 AM	99402						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK	1:30:00 PM	99403						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK	3:30:00 PM	99404						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK.fx	9:30:00 AM	99405						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK.fx	11:30:00 AM	99406						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK.fx	1:30:00 PM	99407						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDNOK.fx	3:30:00 PM	99408						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN	9:30:00 AM	99409						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN	11:30:00 AM	99410						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN	1:30:00 PM	99411						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN	3:30:00 PM	99412						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN.fx	9:30:00 AM	99413						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN.fx	11:30:00 AM	99414						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN.fx	1:30:00 PM	99415						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDPLN.fx	3:30:00 PM	99416						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDRUB	9:30:00 AM	99417						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDRUB	11:30:00 AM	99418						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDRUB	1:30:00 PM	99419						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDRUB	3:30:00 PM	99420						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK	9:30:00 AM	99421						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK	11:30:00 AM	99422						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK	1:30:00 PM	99423						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK	3:30:00 PM	99424						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK.fx	9:30:00 AM	99425						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK.fx	11:30:00 AM	99426						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSEK.fx	1:30:00 PM	99427						Continuous Quote	N/A	ELECTRONIC	N/A

12/23/2019	USDSEK.fx	3:30:00 PM	99428						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD	9:30:00 AM	99429						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD	11:30:00 AM	99430						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD	1:30:00 PM	99431						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD	3:30:00 PM	99432						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD.fx	9:30:00 AM	99433						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD.fx	11:30:00 AM	99434						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD.fx	1:30:00 PM	99435						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDSGD.fx	3:30:00 PM	99436						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR	9:30:00 AM	99437						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR	11:30:00 AM	99438						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR	1:30:00 PM	99439						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR	3:30:00 PM	99440						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR.fx	9:30:00 AM	99441						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR.fx	11:30:00 AM	99442						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR.fx	1:30:00 PM	99443						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	USDZAR.fx	3:30:00 PM	99444						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	XAUUSD	9:30:00 AM	99445						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	XAUUSD	11:30:00 AM	99446						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	XAUUSD	1:30:00 PM	99447						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	XAUUSD	3:30:00 PM	99448						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY	9:30:00 AM	99449						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY	11:30:00 AM	99450						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY	1:30:00 PM	99451						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY	3:30:00 PM	99452						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY.fx	9:30:00 AM	99453						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY.fx	11:30:00 AM	99454						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY.fx	1:30:00 PM	99455						Continuous Quote	N/A	ELECTRONIC	N/A
12/23/2019	ZARJPY.fx	3:30:00 PM	99456						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AA	9:30:00 AM	99457						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AA	11:30:00 AM	99458						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AA	1:30:00 PM	99459						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AA	3:30:00 PM	99460						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AABA	9:30:00 AM	99461						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	#AABA	11:30:00 AM	99462						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AABA	1:30:00 PM	99463						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AABA	3:30:00 PM	99464						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAL	9:30:00 AM	99465						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAL	11:30:00 AM	99466						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAL	1:30:00 PM	99467						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAL	3:30:00 PM	99468						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAPL	9:30:00 AM	99469						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAPL	11:30:00 AM	99470						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAPL	1:30:00 PM	99471						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AAPL	3:30:00 PM	99472						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#ADBE	9:30:00 AM	99473						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#ADBE	11:30:00 AM	99474						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#ADBE	1:30:00 PM	99475						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#ADBE	3:30:00 PM	99476						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AIG	9:30:00 AM	99477						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AIG	11:30:00 AM	99478						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AIG	1:30:00 PM	99479						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AIG	3:30:00 PM	99480						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMD	9:30:00 AM	99481						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMD	11:30:00 AM	99482						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMD	1:30:00 PM	99483						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMD	3:30:00 PM	99484						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMZN	9:30:00 AM	99485						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMZN	11:30:00 AM	99486						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMZN	1:30:00 PM	99487						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AMZN	3:30:00 PM	99488						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AXP	9:30:00 AM	99489						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AXP	11:30:00 AM	99490						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AXP	1:30:00 PM	99491						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#AXP	3:30:00 PM	99492						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BA	9:30:00 AM	99493						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BA	11:30:00 AM	99494						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BA	1:30:00 PM	99495						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	#BA	3:30:00 PM	99496						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BABA	9:30:00 AM	99497						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BABA	11:30:00 AM	99498						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BABA	1:30:00 PM	99499						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BABA	3:30:00 PM	99500						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BAC	9:30:00 AM	99501						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BAC	11:30:00 AM	99502						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BAC	1:30:00 PM	99503						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BAC	3:30:00 PM	99504						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BARC	9:30:00 AM	99505						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BARC	11:30:00 AM	99506						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BARC	1:30:00 PM	99507						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BARC	3:30:00 PM	99508						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BHP	9:30:00 AM	99509						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BHP	11:30:00 AM	99510						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BHP	1:30:00 PM	99511						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BHP	3:30:00 PM	99512						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BIDU	9:30:00 AM	99513						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BIDU	11:30:00 AM	99514						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BIDU	1:30:00 PM	99515						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BIDU	3:30:00 PM	99516						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#Bitcoin	9:30:00 AM	99517						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#Bitcoin	11:30:00 AM	99518						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#Bitcoin	1:30:00 PM	99519						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#Bitcoin	3:30:00 PM	99520						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BK	9:30:00 AM	99521						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BK	11:30:00 AM	99522						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BK	1:30:00 PM	99523						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BK	3:30:00 PM	99524						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BLT	9:30:00 AM	99525						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BLT	11:30:00 AM	99526						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BLT	1:30:00 PM	99527						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BLT	3:30:00 PM	99528						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BP	9:30:00 AM	99529						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	#BP	11:30:00 AM	99530						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BP	1:30:00 PM	99531						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BP	3:30:00 PM	99532						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BTA	9:30:00 AM	99533						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BTA	11:30:00 AM	99534						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BTA	1:30:00 PM	99535						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#BTA	3:30:00 PM	99536						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#C	9:30:00 AM	99537						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#C	11:30:00 AM	99538						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	#C	1:30:00 PM	99539						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	AUDNOK	9:30:00 AM	99945						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	AUDNOK	1:30:00 PM	99947						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNOK	3:30:00 PM	99948						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNOK.fx	9:30:00 AM	99949						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNOK.fx	11:30:00 AM	99950						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNOK.fx	1:30:00 PM	99951						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNOK.fx	3:30:00 PM	99952						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD	9:30:00 AM	99953						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD	11:30:00 AM	99954						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD	1:30:00 PM	99955						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD	3:30:00 PM	99956						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD.fx	9:30:00 AM	99957						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD.fx	11:30:00 AM	99958						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD.fx	1:30:00 PM	99959						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDNZD.fx	3:30:00 PM	99960						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDPLN	9:30:00 AM	99961						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDPLN	11:30:00 AM	99962						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDPLN	1:30:00 PM	99963						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDPLN	3:30:00 PM	99964						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK	9:30:00 AM	99965						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK	11:30:00 AM	99966						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK	1:30:00 PM	99967						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK	3:30:00 PM	99968						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK.fx	9:30:00 AM	99969						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK.fx	11:30:00 AM	99970						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSEK.fx	1:30:00 PM	99971						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	AUDSEK.fx	3:30:00 PM	99972						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD	9:30:00 AM	99973						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD	11:30:00 AM	99974						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD	1:30:00 PM	99975						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD	3:30:00 PM	99976						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD.fx	9:30:00 AM	99977						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD.fx	11:30:00 AM	99978						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD.fx	1:30:00 PM	99979						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDSGD.fx	3:30:00 PM	99980						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD	9:30:00 AM	99981						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD	11:30:00 AM	99982						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD	1:30:00 PM	99983						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD	3:30:00 PM	99984						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD.fx	9:30:00 AM	99985						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD.fx	11:30:00 AM	99986						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD.fx	1:30:00 PM	99987						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDUSD.fx	3:30:00 PM	99988						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDZAR	9:30:00 AM	99989						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDZAR	11:30:00 AM	99990						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDZAR	1:30:00 PM	99991						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUDZAR	3:30:00 PM	99992						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUS200.i	9:30:00 AM	99993						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUS200.i	11:30:00 AM	99994						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUS200.i	1:30:00 PM	99995						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	AUS200.i	3:30:00 PM	99996						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	BCHUSD	9:30:00 AM	99997						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	BCHUSD	11:30:00 AM	99998						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	BCHUSD	1:30:00 PM	99999						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	BCHUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	CADCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADDDK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADDDK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADDDK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADDDK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	CADNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	CHFHFUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHFUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFHFUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	CHFNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/24/2019	CHFSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	USDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/24/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/24/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	#AAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAPL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAPL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAPL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AAPL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ADBE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ADBE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMZN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AXP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BAC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	#BAC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BAC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BAC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BARC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BARC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BARC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BARC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BHP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BHP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BHP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BHP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BIDU	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BIDU	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BIDU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BLT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BLT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#BTA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#BTA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	#BTA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#C	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#CHL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#CHL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#CL.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#CL.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#DD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#Ethereum	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#F	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#F	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#F	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#FSLR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#FSLR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#GEN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#GEN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#GILD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#HAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MDLZ	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MDLZ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MMM	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MO	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MSFT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#MU	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#NFLX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#NG.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#NG.f	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#NTDOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#ORAN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#ORCL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#PBR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#PBR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#S	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#S	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#VZ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	#ZNGA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ZNGA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ZNGA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	#ZNGA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	AUDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	AUDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	AUDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	AUDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	AUDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	AUDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	AUDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CADCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADDDK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/25/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCHE.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	JSDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/25/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/25/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#BABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#ILMN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#ILMN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#INTC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#INTC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#IP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#IP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#JCP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#JNJ	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#JNJ	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#JPM	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#JPM	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#JPM	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#KHC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#KHC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#Litecoin	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#LLOY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#LLOY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#LLOY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#LLOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#LNKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MCD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MGM	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#MGM	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	#MGM	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MMM	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MON	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MS	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#MS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#MU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NFLX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	#NFLX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#NFLX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#NG.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NG.f	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NG.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NKE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NKE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#NKE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#NTDOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#ORAN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#ORAN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#ORAN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#ORCL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#PBR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#PBR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#PEP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#PEP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#PEP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#SBUX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#TSLA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#TSLA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#TWTR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#TWTR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#TWTR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	#TWTR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#UBS	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#UBS	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#UBS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#UL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#UPS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#UTX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#UTX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#WDC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#WFC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/26/2019	#WFC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	#WFC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	#YHOO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	AUDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	AUDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	AUDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CADDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CADHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	CADHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CADMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CADSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CADZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/26/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	JSDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/26/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/26/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMZN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AXP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#BARC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#BARC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BARC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BHP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BHP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BHP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BHP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BIDU	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	#BIDU	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#Bitcoin	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#Bitcoin	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#Bitcoin	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#BK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BLT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#BTA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#BTA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#C	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#C	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#CAT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#CAT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#CAT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#CHL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#CHL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#CHL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	#CHL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#CL.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#CVX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#DD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#DD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#DIS	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#DIS	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#DIS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#DWDP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#DWDP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#EBAY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#EBAY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#EBAY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#Ethereum	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	#Ethereum	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#Ethereum	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#Ethereum	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#F	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#F	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#F	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#FB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#FB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#FCX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#FCX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#FDX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#FSLR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	#FSLR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#FSLR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#GE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#GEN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#GILD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#LLOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	#SPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/27/2019	#WFC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	AUDNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	AUDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	AUDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUS200.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUS200.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUS200.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	AUS200.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	BCHUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	BCHUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	BCHUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	BCHUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	CHFCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	EURJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/27/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	JSDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/27/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/27/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAPL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAPL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAPL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AAPL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ADBE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ADBE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMZN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AXP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BAC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BAC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BAC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BAC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BARC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BARC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BARC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BARC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BHP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BHP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BHP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BHP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BIDU	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BIDU	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BIDU	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BIDU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#Bitcoin	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#Bitcoin	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#Bitcoin	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	#Bitcoin	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BLT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BLT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BLT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BLT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BTA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BTA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BTA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#BTA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#C	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#C	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#C	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#C	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CAT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CAT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CAT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CAT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CHL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CHL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CHL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CHL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CL.f	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#CL.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#CL.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#CMCSA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#CMCSA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#DD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#Ethereum	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#FB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#GOOG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#MU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NFLX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NFLX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NFLX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NFLX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NG.f	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NG.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NG.f	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NG.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NKE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NKE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NKE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#NKE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#NOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#NOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#NTDOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#ORAN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ORAN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#ORCL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#PG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#PG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#POT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#POT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#POT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	#POT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#QCOM	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#S	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#S	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#SBUX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#T	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#TEVA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	#TEVA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#TEVA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#UL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	#UL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	#VZ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	AUDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	AUDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	AUDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	AUDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	AUDNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/28/2019	AUDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	AUS200.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	AUS200.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/28/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/28/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	CADSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	CHFDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/28/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	EURDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/28/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	JSDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/28/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/28/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAPL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAPL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAPL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AAPL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ADBE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ADBE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMZN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#AXP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#BABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/29/2019	#LNKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/29/2019	#MRK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#MRK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/29/2019	#NOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#NOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/29/2019	#WFC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#WFC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#WMT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#WMT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#WMT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#WMT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#XOM	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#XOM	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#XOM	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#XOM	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#YHOO	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#YHOO	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#YHOO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#YHOO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ZNGA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ZNGA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	#ZNGA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	#ZNGA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	AUDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	AUDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUS200.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUS200.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUS200.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	AUS200.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	BCHUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	BCHUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	BCHUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	BCHUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	CADCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADDDK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADDDK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADDDK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADDDK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	CADMXX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	EURGBP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	EURMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/29/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/29/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/29/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#AABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAPL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAPL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAPL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AAPL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#ADBE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#BABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BAC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BAC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BAC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BHP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BIDU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#Bitcoin	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#Bitcoin	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#BP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#BP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BTA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BTA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#BTA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#C	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#C	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#C	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CAT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CAT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CL.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CL.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CMCSA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CSCO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#CSCO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#CVX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#CVX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#CVX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#DD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#DIS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DWDP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DWDP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DWDP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#DWDP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#EBAY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#EBAY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#EBAY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#Ethereum	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#FB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#FCX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FCX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FDX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FDX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FDX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#FDX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FSLR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#FSLR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#GSK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#HAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#HD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#HD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#HD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#TRV	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#TRV	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#TRV	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#TRV	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#TSCO	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#TSCO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#UL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#VOD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	#VOD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	#VOD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#VZ	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	#VZ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	AUDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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12/30/2019	AUDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	AUDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	AUDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	AUS200.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADDDK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	CADPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CADZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	CHFHFUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	CHFSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/30/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/30/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	USDZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	XAUUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	XAUUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	XAUUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	XAUUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/30/2019	ZARJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAPL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#AAPL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAPL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AAPL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ADBE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ADBE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ADBE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ADBE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AIG	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AIG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AIG	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AIG	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMZN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMZN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMZN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AMZN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AXP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AXP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AXP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#AXP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BABA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BABA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BABA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BABA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BAC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BAC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BAC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#BAC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BARC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BARC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BARC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BARC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BHP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BHP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BHP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BHP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BIDU	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BIDU	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BIDU	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BIDU	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Bitcoin	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Bitcoin	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Bitcoin	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Bitcoin	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BLT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BLT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BLT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BLT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BTA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BTA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BTA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#BTA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#C	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#C	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#C	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#C	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CAT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CAT	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CAT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CAT	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CHL	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CHL	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CHL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CHL	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CL.f	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CL.f	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CL.f	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CL.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CMCSA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CMCSA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CMCSA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CMCSA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CSCO	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CSCO	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CSCO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CSCO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CVX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CVX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CVX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#CVX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DIS	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DIS	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DIS	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#DIS	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DWDP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DWDP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DWDP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#DWDP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#EBAY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#EBAY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#EBAY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#EBAY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Ethereum	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Ethereum	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Ethereum	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#Ethereum	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#F	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#F	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#F	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#F	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#GOOG	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#HD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#HON	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#HON	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#HSBA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#JNJ	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#JNJ	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#JNJ	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#JNJ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#LLOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#LNKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#LNKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#MCD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#MCD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#MO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#MRK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NFLX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#NFLX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NG.f	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NKE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#NTDOY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#NTDOY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#NTDOY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#ORAN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#ORCL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#PBR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#PBR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#PBR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#PFE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#PFE	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#PFE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#QCOM	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#S	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#SBUX	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#SBUX	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#SBUX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#SNE	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#SNE	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#SNE	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#TSCO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#TSCO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#TSLA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#TSLA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#TSLA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#TSLA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#TWTR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#UL	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#UTX	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#UTX	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#V	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#VZ	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#VZ	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#VZ	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#VZ	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#WDC	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	#WDC	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#WDC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#WDC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#WFC	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#WFC	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#WMT	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#WMT	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	#XOM	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#XOM	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#YHOO	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#YHOO	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#YHOO	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#YHOO	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ZNGA	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ZNGA	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ZNGA	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	#ZNGA	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	AUDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	AUDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
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12/31/2019	AUDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	AUDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUS200.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUS200.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUS200.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	AUS200.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	BCHUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	BCHUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	BCHUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	BCHUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	CADDDK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADDDK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADDDK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	CADSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CADZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	CHFJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	CHFSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CHFZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CZKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CZKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CZKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	CZKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DAX30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DAX30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DAX30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DAX30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DJ30.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DJ30.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DJ30.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DJ30.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DKKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DKKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DKKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	DKKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	EURCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURGBP.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	EURHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	EURNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	EURSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	EURZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPAUD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHEF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	GBPCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	GBPJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPNZD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	GBPSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GBPZAR.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GOLD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GOLD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GOLD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	GOLD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	HKDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HKDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HUFJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HUFJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HUFJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	HUFJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JP225.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JP225.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JP225.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JP225.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	MXNJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	MXNJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	MXNJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	MXNJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NASDAQ.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NASDAQ.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NASDAQ.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NASDAQ.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NOKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	NZDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	NZDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDUSD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	NZDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	NZDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SEKJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SGDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SGDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SGDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SGDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SILVER	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SILVER	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SILVER	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SILVER	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SPX500.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SPX500.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SPX500.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	SPX500.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	UK100.i	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	UK100.i	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	UK100.i	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	UK100.i	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCAD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	USDCAD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCHF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDCZK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDDKK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHKD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	USDHUF	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDHUF.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDINR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDINR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDINR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDINR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDJPY.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDMXN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDMXN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDMXN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDMXN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JSDMXN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JSDMXN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JSDMXN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	JSDMXN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDNOK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

12/31/2019	USDNOK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDPLN.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDRUB	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDRUB	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDRUB	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDRUB	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSEK.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD.fx	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD.fx	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDSGD.fx	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDZAR	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDZAR	11:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDZAR	1:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDZAR	3:30:00 PM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A
12/31/2019	USDZAR.fx	9:30:00 AM	1E+05						Continuous Quote	N/A	ELECTRONIC	N/A

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