

| Date | Financial Instrument Name | Average Effective Spread | Average volume at best bid and offer |
|----------|---------------------------|--------------------------|--------------------------------------|
| 7/1/2020 | #CL.z | 0.06609 | NA |
| 7/1/2020 | AUDJPY.fx | 0.010066 | NA |
| 7/1/2020 | AUDNZD.fx | 0.00009 | NA |
| 7/1/2020 | AUDUSD.fx | 0.000105 | NA |
| 7/1/2020 | DAX30.i | 24650.74859 | NA |
| 7/1/2020 | EURCAD.fx | 0.00011 | NA |
| 7/1/2020 | EURGBP.fx | 0.000112 | NA |
| 7/1/2020 | EURJPY.fx | 0.0405 | NA |
| 7/1/2020 | EURNZD.fx | 0.00009 | NA |
| 7/1/2020 | EURUSD.fx | 15.378791 | NA |
| 7/1/2020 | GBPAUD.fx | 0.00026 | NA |
| 7/1/2020 | GBPCAD.fx | 0.000256 | NA |
| 7/1/2020 | GBPJPY.fx | 0.549166 | NA |
| 7/1/2020 | GBPNZD.fx | 0.00037 | NA |
| 7/1/2020 | GBPUSD.fx | 0.0001 | NA |
| 7/1/2020 | NZDUSD.fx | 0.00026 | NA |
| 7/1/2020 | USDCAD.fx | 39.897303 | NA |
| 7/1/2020 | USDJPY.fx | 0.008 | NA |
| 7/1/2020 | USDMXN.fx | 1.551376 | NA |
| 7/1/2020 | USDNOK.fx | 0.00248 | NA |
| 7/2/2020 | #CL.z | 0.081666 | NA |
| 7/2/2020 | AUDJPY.fx | 0.029 | NA |
| 7/2/2020 | AUDUSD.fx | 0.000103 | NA |
| 7/2/2020 | EURCHF.fx | 0.00005 | NA |
| 7/2/2020 | EURGBP.fx | 0.00015 | NA |
| 7/2/2020 | EURJPY.fx | 0.017 | NA |
| 7/2/2020 | EURNZD.fx | 0.0001 | NA |
| 7/2/2020 | EURUSD.fx | 0.00011 | NA |
| 7/2/2020 | GBPCAD.fx | 0.000285 | NA |
| 7/2/2020 | GBPCHF.fx | 0.00426 | NA |
| 7/2/2020 | GBPJPY.fx | 0.040333 | NA |
| 7/2/2020 | GBPUSD.fx | 0.000142 | NA |
| 7/2/2020 | NZDCAD.fx | 0.0002 | NA |
| 7/2/2020 | NZDUSD.fx | 0.00013 | NA |
| 7/2/2020 | USDCAD.fx | 0.000201 | NA |
| 7/2/2020 | USDCHF.fx | 0.00016 | NA |
| 7/2/2020 | USDJPY.fx | 0.005 | NA |
| 7/2/2020 | USDMXN.fx | 0.010631 | NA |
| 7/2/2020 | USDNOK.fx | 0.002519 | NA |
| 7/3/2020 | #CL.z | 0.083111 | NA |
| 7/3/2020 | AUDSGD.fx | 0.00113 | NA |
| 7/3/2020 | BCHUSD | 365.088 | NA |
| 7/3/2020 | EURAUD.fx | 0.0001 | NA |
| 7/3/2020 | EURCHF.fx | 0.00003 | NA |
| 7/3/2020 | EURGBP.fx | 0.000126 | NA |
| 7/3/2020 | EURNZD.fx | 0.01025 | NA |

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| 7/3/2020 EURUSD.fx | 0.000085 NA |
| 7/3/2020 GBPAUD.fx | 0.0003 NA |
| 7/3/2020 GBPCAD.fx | 0.000195 NA |
| 7/3/2020 GBPJPY.fx | 0.024 NA |
| 7/3/2020 GBPUSD.fx | 0.000135 NA |
| 7/3/2020 NZDCAD.fx | 0.00019 NA |
| 7/3/2020 NZDCHF.fx | 0.00011 NA |
| 7/3/2020 NZDJPY.fx | 0.011 NA |
| 7/3/2020 NZDUSD.fx | 0.00009 NA |
| 7/3/2020 USDMXN.fx | 0.0098 NA |
| 7/3/2020 USDNOK.fx | 0.01083 NA |
| 7/6/2020 #CL.z | 0.036147 NA |
| 7/6/2020 AUDJPY.fx | 0.009 NA |
| 7/6/2020 CADJPY.fx | 0.016 NA |
| 7/6/2020 CHFJPY.fx | 0.015 NA |
| 7/6/2020 DAX30.i | 25261.2228 NA |
| 7/6/2020 EURCAD.fx | 0.00028 NA |
| 7/6/2020 EURJPY.fx | 0.246727 NA |
| 7/6/2020 EURNZD.fx | 0.000293 NA |
| 7/6/2020 EURUSD.fx | 0.000103 NA |
| 7/6/2020 GBPAUD.fx | 0.00026 NA |
| 7/6/2020 GBPCAD.fx | 0.00025 NA |
| 7/6/2020 GBPJPY.fx | 0.039 NA |
| 7/6/2020 GBPUSD.fx | 0.000255 NA |
| 7/6/2020 GOLD.m | 0.12 NA |
| 7/6/2020 NZDJPY.fx | 0.005 NA |
| 7/6/2020 NZDUSD.fx | 0.000126 NA |
| 7/6/2020 USDCAD.fx | 0.00519 NA |
| 7/6/2020 USDCHF.fx | 0.0001 NA |
| 7/6/2020 USDJPY.fx | 0.0102 NA |
| 7/6/2020 USDMXN.fx | 0.035284 NA |
| 7/6/2020 USDNOK.fx | 0.006866 NA |
| 7/7/2020 #CL.z | 0.0411 NA |
| 7/7/2020 #TSLA | 2527.298 NA |
| 7/7/2020 AUDJPY.fx | 0.01 NA |
| 7/7/2020 AUDUSD.fx | 0.0001 NA |
| 7/7/2020 EURAUD.fx | 0.000213 NA |
| 7/7/2020 EURCHF.fx | 0.000044 NA |
| 7/7/2020 EURGBP.fx | 0.000856 NA |
| 7/7/2020 EURUSD.fx | 0.000054 NA |
| 7/7/2020 GBPAUD.fx | 0.000277 NA |
| 7/7/2020 GBPCHF.fx | 0.00019 NA |
| 7/7/2020 GBPJPY.fx | 0.333437 NA |
| 7/7/2020 GBPNZD.fx | 0.00031 NA |
| 7/7/2020 GBPUSD.fx | 0.000281 NA |
| 7/7/2020 GOLD | 3587.17593 NA |
| 7/7/2020 USDCAD.fx | 0.000103 NA |

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| 7/7/2020 USDJPY.fx | 0.005 NA |
| 7/7/2020 USDMXN.fx | 0.01645 NA |
| 7/7/2020 USDNOK.fx | 0.00801 NA |
| 7/8/2020 #CL.z | 0.029809 NA |
| 7/8/2020 AUDNZD.fx | 0.00009 NA |
| 7/8/2020 AUDUSD.fx | 0.0001 NA |
| 7/8/2020 CHFJPY.fx | 0.016 NA |
| 7/8/2020 EURCHF.fx | 0.000045 NA |
| 7/8/2020 EURGBP.fx | 0.000104 NA |
| 7/8/2020 EURJPY.fx | 0.009 NA |
| 7/8/2020 EURNZD.fx | 0.0026 NA |
| 7/8/2020 EURUSD.fx | 0.003938 NA |
| 7/8/2020 GBPAUD.fx | 0.00028 NA |
| 7/8/2020 GBPJPY.fx | 0.03 NA |
| 7/8/2020 GBPUSD.fx | 0.000121 NA |
| 7/8/2020 GOLD | 3596.1323 NA |
| 7/8/2020 NZDCAD.fx | 0.0001 NA |
| 7/8/2020 NZDJPY.fx | 0.022 NA |
| 7/8/2020 NZDUSD.fx | 0.0001 NA |
| 7/8/2020 USDCAD.fx | 0.000107 NA |
| 7/8/2020 USDCHF.fx | 0.000092 NA |
| 7/8/2020 USDNOK.fx | 0.002447 NA |
| 7/9/2020 #CL.z | 0.018724 NA |
| 7/9/2020 #TSLA | 2492.539 NA |
| 7/9/2020 AUDUSD.fx | 0.000105 NA |
| 7/9/2020 DAX30.i | 25174.74202 NA |
| 7/9/2020 EURAUD.fx | 0.0001 NA |
| 7/9/2020 EURCHF.fx | 0.007193 NA |
| 7/9/2020 EURGBP.fx | 0.000122 NA |
| 7/9/2020 EURJPY.fx | 0.4215 NA |
| 7/9/2020 EURNZD.fx | 0.000095 NA |
| 7/9/2020 EURUSD.fx | 0.00705 NA |
| 7/9/2020 GBPCAD.fx | 0.00028 NA |
| 7/9/2020 GBPCHF.fx | 0.00022 NA |
| 7/9/2020 GBPJPY.fx | 1.726588 NA |
| 7/9/2020 GBPUSD.fx | 0.00008 NA |
| 7/9/2020 GOLD.m | 0.195 NA |
| 7/9/2020 NZDCAD.fx | 0.0001 NA |
| 7/9/2020 NZDUSD.fx | 0.000103 NA |
| 7/9/2020 USDCAD.fx | 0.000588 NA |
| 7/9/2020 USDCHF.fx | 0.009423 NA |
| 7/9/2020 USDJPY.fx | 0.006 NA |
| 7/9/2020 USDNOK.fx | 0.005838 NA |
| 7/10/2020 #CL.z | 0.003625 NA |
| 7/10/2020 AUDCHF.fx | 0.00015 NA |
| 7/10/2020 AUDJPY.fx | 0.009 NA |
| 7/10/2020 AUDUSD.fx | 0.000106 NA |

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| 7/10/2020 | EURCHF.fx | 0.00005 | NA |
| 7/10/2020 | EURGBP.fx | 0.00009 | NA |
| 7/10/2020 | EURJPY.fx | 0.013666 | NA |
| 7/10/2020 | EURNZD.fx | 0.000103 | NA |
| 7/10/2020 | EURUSD.fx | 0.020651 | NA |
| 7/10/2020 | GBPCAD.fx | 0.000175 | NA |
| 7/10/2020 | GBPUSD.fx | 0.000183 | NA |
| 7/10/2020 | GOLD.m | 0.1 | NA |
| 7/10/2020 | NZDUSD.fx | 0.00009 | NA |
| 7/10/2020 | USDCAD.fx | 0.00421 | NA |
| 7/10/2020 | USDJPY.fx | 0.005333 | NA |
| 7/10/2020 | USDNOK.fx | 0.004633 | NA |
| 7/10/2020 | XAUUSD.m | 0.09 | NA |
| 7/13/2020 | #CL.z | 0.031923 | NA |
| 7/13/2020 | #SPY | 641.09776 | NA |
| 7/13/2020 | AUDCHF.fx | 0.000105 | NA |
| 7/13/2020 | AUDJPY.fx | 0.014 | NA |
| 7/13/2020 | AUDNZD.fx | 0.00012 | NA |
| 7/13/2020 | AUDUSD.fx | 0.018868 | NA |
| 7/13/2020 | CADJPY.fx | 0.01 | NA |
| 7/13/2020 | CHFJPY.fx | 0.01 | NA |
| 7/13/2020 | EURCHF.fx | 0.000037 | NA |
| 7/13/2020 | EURGBP.fx | 0.000115 | NA |
| 7/13/2020 | EURJPY.fx | 0.0145 | NA |
| 7/13/2020 | EURUSD.fx | 0.000041 | NA |
| 7/13/2020 | GBPAUD.fx | 0.000175 | NA |
| 7/13/2020 | GBPCAD.fx | 0.000095 | NA |
| 7/13/2020 | GBPJPY.fx | 0.0372 | NA |
| 7/13/2020 | GBPUSD.fx | 0.000511 | NA |
| 7/13/2020 | GOLD.m | 0.09 | NA |
| 7/13/2020 | NZDCHF.fx | 0.00009 | NA |
| 7/13/2020 | NZDJPY.fx | 0.0115 | NA |
| 7/13/2020 | USDCAD.fx | 0.000116 | NA |
| 7/13/2020 | USDCHF.fx | 0.00019 | NA |
| 7/13/2020 | USDJPY.fx | 0.008 | NA |
| 7/13/2020 | USDMXN.fx | 0.019433 | NA |
| 7/13/2020 | XAUUSD | 3606.60691 | NA |
| 7/14/2020 | #CL.z | 0.0154 | NA |
| 7/14/2020 | AUDNZD.fx | 0.00011 | NA |
| 7/14/2020 | AUDUSD.fx | 0.000115 | NA |
| 7/14/2020 | DAX30.i | 25382.85143 | NA |
| 7/14/2020 | EURAUD.fx | 0.00013 | NA |
| 7/14/2020 | EURCAD.fx | 0.00017 | NA |
| 7/14/2020 | EURCHF.fx | 0.000044 | NA |
| 7/14/2020 | EURGBP.fx | 0.00012 | NA |
| 7/14/2020 | EURJPY.fx | 0.021285 | NA |
| 7/14/2020 | EURNZD.fx | 0.0003 | NA |

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| 7/14/2020 EURSEK.fx | 0.006467 NA |
| 7/14/2020 EURUSD.fx | 0.000062 NA |
| 7/14/2020 GBPCAD.fx | 0.000233 NA |
| 7/14/2020 GBPCHF.fx | 0.00018 NA |
| 7/14/2020 GBPJPY.fx | 0.017333 NA |
| 7/14/2020 GBPUSD.fx | 0.000282 NA |
| 7/14/2020 NZDJPY.fx | 0.011 NA |
| 7/14/2020 NZDUSD.fx | 1.19668 NA |
| 7/14/2020 USDCAD.fx | 0.000147 NA |
| 7/14/2020 USDCHF.fx | 0.00021 NA |
| 7/14/2020 USDNOK.fx | 0.003279 NA |
| 7/15/2020 #CL.z | 0.039931 NA |
| 7/15/2020 AUDCAD.fx | 0.000125 NA |
| 7/15/2020 AUDUSD.fx | 0.000097 NA |
| 7/15/2020 DAX30.i | 25846.01768 NA |
| 7/15/2020 EURCAD.fx | 0.00017 NA |
| 7/15/2020 EURCHF.fx | 0.000248 NA |
| 7/15/2020 EURGBP.fx | 0.000095 NA |
| 7/15/2020 EURJPY.fx | 40.41518 NA |
| 7/15/2020 EURUSD.fx | 2.381319 NA |
| 7/15/2020 GBPAUD.fx | 0.000105 NA |
| 7/15/2020 GBPCHF.fx | 0.00025 NA |
| 7/15/2020 GBPJPY.fx | 0.018333 NA |
| 7/15/2020 GBPUSD.fx | 0.000105 NA |
| 7/15/2020 NZDCAD.fx | 0.0001 NA |
| 7/15/2020 NZDJPY.fx | 0.009 NA |
| 7/15/2020 NZDUSD.fx | 0.0001 NA |
| 7/15/2020 USDCAD.fx | 0.000101 NA |
| 7/15/2020 USDCHF.fx | 0.0002 NA |
| 7/15/2020 USDJPY.fx | 0.009333 NA |
| 7/15/2020 USDNOK.fx | 0.002647 NA |
| 7/15/2020 USDZAR.fx | 0.00391 NA |
| 7/16/2020 #CL.z | 0.021545 NA |
| 7/16/2020 AUDCHF.fx | 0.000105 NA |
| 7/16/2020 AUDUSD.fx | 0.000103 NA |
| 7/16/2020 DAX30.i | 25816.38794 NA |
| 7/16/2020 EURCAD.fx | 0.0001 NA |
| 7/16/2020 EURCHF.fx | 0.000046 NA |
| 7/16/2020 EURGBP.fx | 0.000103 NA |
| 7/16/2020 EURJPY.fx | 0.015666 NA |
| 7/16/2020 EURNZD.fx | 0.65881 NA |
| 7/16/2020 EURUSD.fx | 0.001481 NA |
| 7/16/2020 GBPAUD.fx | 0.000113 NA |
| 7/16/2020 GBPCAD.fx | 0.000093 NA |
| 7/16/2020 GBPCHF.fx | 0.000095 NA |
| 7/16/2020 GBPJPY.fx | 0.01025 NA |
| 7/16/2020 GBPUSD.fx | 0.000184 NA |

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| 7/16/2020 NZDCAD.fx | 0.00011 NA |
| 7/16/2020 NZDCHF.fx | 0.0001 NA |
| 7/16/2020 NZDJPY.fx | 0.01 NA |
| 7/16/2020 NZDUSD.fx | 0.0001 NA |
| 7/16/2020 USDCAD.fx | 0.000118 NA |
| 7/16/2020 USDCHF.fx | 0.00346 NA |
| 7/16/2020 USDNOK.fx | 0.00581 NA |
| 7/16/2020 USDZAR.fx | 0.004077 NA |
| 7/16/2020 XAUUSD.m | 0.1 NA |
| 7/17/2020 #CL.z | 0.041555 NA |
| 7/17/2020 AUDCAD.fx | 0.00009 NA |
| 7/17/2020 AUDUSD.fx | 0.0001 NA |
| 7/17/2020 CADJPY.fx | 0.0155 NA |
| 7/17/2020 DAX30.i | 25672.153 NA |
| 7/17/2020 EURCAD.fx | 0.0001 NA |
| 7/17/2020 EURCHF.fx | 0.000047 NA |
| 7/17/2020 EURGBP.fx | 0.000106 NA |
| 7/17/2020 EURJPY.fx | 0.0235 NA |
| 7/17/2020 EURNZD.fx | 0.000102 NA |
| 7/17/2020 EURUSD.fx | 0.000079 NA |
| 7/17/2020 GBPAUD.fx | 0.00011 NA |
| 7/17/2020 GBPCHE.fx | 0.00023 NA |
| 7/17/2020 GBPJPY.fx | 0.015444 NA |
| 7/17/2020 GBPUSD.fx | 0.000158 NA |
| 7/17/2020 GOLD | 3388.99 NA |
| 7/17/2020 NZDUSD.fx | 0.000105 NA |
| 7/17/2020 USDCAD.fx | 0.000112 NA |
| 7/17/2020 USDJPY.fx | 0.36 NA |
| 7/17/2020 USDNOK.fx | 0.00202 NA |
| 7/20/2020 #CL.z | 0.017666 NA |
| 7/20/2020 AUDSGD.fx | 0.00026 NA |
| 7/20/2020 AUDUSD.fx | 0.000098 NA |
| 7/20/2020 EURCAD.fx | 0.00009 NA |
| 7/20/2020 EURCHF.fx | 0.000038 NA |
| 7/20/2020 EURGBP.fx | 0.0001 NA |
| 7/20/2020 EURJPY.fx | 123647.477 NA |
| 7/20/2020 EURUSD.fx | 2.667952 NA |
| 7/20/2020 GBPCAD.fx | 0.000265 NA |
| 7/20/2020 GBPJPY.fx | 0.012 NA |
| 7/20/2020 GBPUSD.fx | 0.000098 NA |
| 7/20/2020 NZDUSD.fx | 0.00011 NA |
| 7/20/2020 USDCAD.fx | 0.000104 NA |
| 7/20/2020 USDCHF.fx | 0.0001 NA |
| 7/20/2020 USDNOK.fx | 0.002268 NA |
| 7/21/2020 #CL.z | 0.038736 NA |
| 7/21/2020 AUDJPY.fx | 0.01 NA |
| 7/21/2020 AUDUSD.fx | 0.000105 NA |

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| 7/21/2020 DAX30.i | 26167.25333 NA |
| 7/21/2020 EURAUD.fx | 0.000158 NA |
| 7/21/2020 EURCAD.fx | 0.000195 NA |
| 7/21/2020 EURCHF.fx | 0.07286 NA |
| 7/21/2020 EURGBP.fx | 0.0001 NA |
| 7/21/2020 EURJPY.fx | 0.037 NA |
| 7/21/2020 EURUSD.fx | 1.505363 NA |
| 7/21/2020 GBPAUD.fx | 0.000283 NA |
| 7/21/2020 GBPJPY.fx | 0.01975 NA |
| 7/21/2020 GBPNZD.fx | 0.00031 NA |
| 7/21/2020 GBPUSD.fx | 0.000198 NA |
| 7/21/2020 NZDUSD.fx | 0.00013 NA |
| 7/21/2020 USDCAD.fx | 0.032897 NA |
| 7/21/2020 USDCHF.fx | 0.000107 NA |
| 7/21/2020 USDJPY.fx | 0.009 NA |
| 7/21/2020 USDNOK.fx | 0.001957 NA |
| 7/22/2020 #CL.z | 0.01947 NA |
| 7/22/2020 #TSLA | 3143.67352 NA |
| 7/22/2020 AUDCAD.fx | 0.00014 NA |
| 7/22/2020 AUDUSD.fx | 0.020934 NA |
| 7/22/2020 CADCHF.fx | 0.0002 NA |
| 7/22/2020 CHFJPY.fx | 0.015 NA |
| 7/22/2020 EURCAD.fx | 0.000143 NA |
| 7/22/2020 EURCHF.fx | 0.00373 NA |
| 7/22/2020 EURGBP.fx | 0.000125 NA |
| 7/22/2020 EURJPY.fx | 0.021388 NA |
| 7/22/2020 EURUSD.fx | 0.000072 NA |
| 7/22/2020 GBPAUD.fx | 0.000206 NA |
| 7/22/2020 GBPJPY.fx | 0.013 NA |
| 7/22/2020 GBPNZD.fx | 0.00033 NA |
| 7/22/2020 GBPUSD.fx | 0.00009 NA |
| 7/22/2020 GOLD | 3692.67129 NA |
| 7/22/2020 NZDJPY.fx | 0.0235 NA |
| 7/22/2020 NZDUSD.fx | 0.00019 NA |
| 7/22/2020 SILVER | 65.371431 NA |
| 7/22/2020 USDCAD.fx | 0.000115 NA |
| 7/22/2020 USDCHF.fx | 0.000103 NA |
| 7/22/2020 USDJPY.fx | 0.007375 NA |
| 7/22/2020 USDNOK.fx | 0.008194 NA |
| 7/23/2020 #CL.z | 0.02796 NA |
| 7/23/2020 AUDUSD.fx | 0.068732 NA |
| 7/23/2020 CADJPY.fx | 0.02 NA |
| 7/23/2020 CHFJPY.fx | 0.01 NA |
| 7/23/2020 EURCHF.fx | 0.000049 NA |
| 7/23/2020 EURJPY.fx | 0.013714 NA |
| 7/23/2020 EURUSD.fx | 0.00826 NA |
| 7/23/2020 GBPCHF.fx | 0.000095 NA |

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| 7/23/2020 | GBPJPY.fx | 0.024 | NA |
| 7/23/2020 | GBPNZD.fx | 0.00043 | NA |
| 7/23/2020 | GBPUSD.fx | 0.000081 | NA |
| 7/23/2020 | GOLD | 3742.80109 | NA |
| 7/23/2020 | NZDJPY.fx | 0.0255 | NA |
| 7/23/2020 | USDCAD.fx | 0.010751 | NA |
| 7/23/2020 | USDCHF.fx | 0.000101 | NA |
| 7/23/2020 | USDJPY.fx | 0.00375 | NA |
| 7/23/2020 | USDNOK.fx | 0.002176 | NA |
| 7/24/2020 | #CL.z | 0.0168 | NA |
| 7/24/2020 | AUDUSD.fx | 0.01558 | NA |
| 7/24/2020 | CADCHF.fx | 0.00011 | NA |
| 7/24/2020 | CHFJPY.fx | 0.011666 | NA |
| 7/24/2020 | DAX30.i | 25704.31684 | NA |
| 7/24/2020 | EURCHF.fx | 0.000071 | NA |
| 7/24/2020 | EURJPY.fx | 0.027833 | NA |
| 7/24/2020 | EURPLN.fx | 0.00535 | NA |
| 7/24/2020 | EURUSD.fx | 0.00884 | NA |
| 7/24/2020 | GBPAUD.fx | 0.00037 | NA |
| 7/24/2020 | GBPJPY.fx | 0.113285 | NA |
| 7/24/2020 | GBPUSD.fx | 0.000108 | NA |
| 7/24/2020 | USDCAD.fx | 0.011236 | NA |
| 7/24/2020 | USDCHF.fx | 6.03614 | NA |
| 7/24/2020 | USDJPY.fx | 0.0094 | NA |
| 7/24/2020 | USDNOK.fx | 0.0034 | NA |
| 7/27/2020 | #CL.z | 0.023166 | NA |
| 7/27/2020 | #NG.z | 0.002 | NA |
| 7/27/2020 | AUDCHF.fx | 0.00011 | NA |
| 7/27/2020 | AUDUSD.fx | 0.028236 | NA |
| 7/27/2020 | DAX30.i | 25758.25063 | NA |
| 7/27/2020 | EURAUD.fx | 0.00028 | NA |
| 7/27/2020 | EURCAD.fx | 0.000215 | NA |
| 7/27/2020 | EURCHF.fx | 0.00013 | NA |
| 7/27/2020 | EURGBP.fx | 0.000113 | NA |
| 7/27/2020 | EURJPY.fx | 0.0268 | NA |
| 7/27/2020 | EURNZD.fx | 0.0001 | NA |
| 7/27/2020 | EURUSD.fx | 0.000135 | NA |
| 7/27/2020 | GBPAUD.fx | 0.00037 | NA |
| 7/27/2020 | GBPJPY.fx | 0.033333 | NA |
| 7/27/2020 | GBPNZD.fx | 0.00036 | NA |
| 7/27/2020 | GBPUSD.fx | 0.000207 | NA |
| 7/27/2020 | GOLD | 3867.74586 | NA |
| 7/27/2020 | NZDCHF.fx | 0.00014 | NA |
| 7/27/2020 | NZDJPY.fx | 0.03 | NA |
| 7/27/2020 | USDCAD.fx | 0.000252 | NA |
| 7/27/2020 | USDCHF.fx | 0.000134 | NA |
| 7/27/2020 | USDJPY.fx | 0.007467 | NA |

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| 7/27/2020 USDMXN.fx | 0.0001 NA |
| 7/27/2020 USDNOK.fx | 0.004471 NA |
| 7/28/2020 #CL.z | 0.01925 NA |
| 7/28/2020 AUDUSD.fx | 0.000206 NA |
| 7/28/2020 EURCHF.fx | 0.000184 NA |
| 7/28/2020 EURGBP.fx | 0.00018 NA |
| 7/28/2020 EURJPY.fx | 0.02395 NA |
| 7/28/2020 EURUSD.fx | 4.868559 NA |
| 7/28/2020 GBPJPY.fx | 0.02825 NA |
| 7/28/2020 GBPUUSD.fx | 0.000127 NA |
| 7/28/2020 GOLD | 3715.9736 NA |
| 7/28/2020 NZDCHF.fx | 0.0001 NA |
| 7/28/2020 USDCAD.fx | 0.00024 NA |
| 7/28/2020 USDCHF.fx | 13.05894 NA |
| 7/28/2020 USDJPY.fx | 0.0124 NA |
| 7/28/2020 USDMXN.fx | 0.0065 NA |
| 7/28/2020 USDNOK.fx | 0.008511 NA |
| 7/29/2020 #CL.z | 0.064 NA |
| 7/29/2020 AUDNZD.fx | 0.000185 NA |
| 7/29/2020 AUDUSD.fx | 2.126266 NA |
| 7/29/2020 CADCHF.fx | 0.00021 NA |
| 7/29/2020 EURCAD.fx | 0.0003 NA |
| 7/29/2020 EURCHF.fx | 0.000128 NA |
| 7/29/2020 EURJPY.fx | 44.538041 NA |
| 7/29/2020 EURUSD.fx | 19.835509 NA |
| 7/29/2020 GBPAUD.fx | 0.00038 NA |
| 7/29/2020 GBPJPY.fx | 0.745 NA |
| 7/29/2020 GBPUUSD.fx | 0.067278 NA |
| 7/29/2020 NZDCHF.fx | 0.00011 NA |
| 7/29/2020 USDCAD.fx | 2.658781 NA |
| 7/29/2020 USDCHF.fx | 6.671247 NA |
| 7/29/2020 USDJPY.fx | 0.009914 NA |
| 7/29/2020 USDMXN.fx | 0.0073 NA |
| 7/29/2020 USDNOK.fx | 0.002738 NA |
| 7/30/2020 #CL.z | 0.068571 NA |
| 7/30/2020 AUDCAD.fx | 0.0001 NA |
| 7/30/2020 AUDNZD.fx | 0.000145 NA |
| 7/30/2020 AUDUSD.fx | 0.009932 NA |
| 7/30/2020 EURCAD.fx | 0.00028 NA |
| 7/30/2020 EURCHF.fx | 0.000164 NA |
| 7/30/2020 EURJPY.fx | 0.024 NA |
| 7/30/2020 EURUSD.fx | 0.001669 NA |
| 7/30/2020 GBPAUD.fx | 0.000306 NA |
| 7/30/2020 GBPCAD.fx | 0.00029 NA |
| 7/30/2020 GBPJPY.fx | 0.04525 NA |
| 7/30/2020 GBPNZD.fx | 0.00023 NA |
| 7/30/2020 GBPUUSD.fx | 0.00026 NA |

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| 7/30/2020 NZDUSD.fx | 0.00024 NA |
| 7/30/2020 USDCAD.fx | 2.076835 NA |
| 7/30/2020 USDCHF.fx | 0.000102 NA |
| 7/30/2020 USDJPY.fx | 0.01325 NA |
| 7/30/2020 USDMXN.fx | 0.0395 NA |
| 7/30/2020 USDNOK.fx | 0.002142 NA |
| 7/31/2020 #CL.z | 0.017166 NA |
| 7/31/2020 AUDCAD.fx | 0.00026 NA |
| 7/31/2020 AUDJPY.fx | 0.0265 NA |
| 7/31/2020 AUDNZD.fx | 0.00024 NA |
| 7/31/2020 AUDSGD.fx | 0.0011 NA |
| 7/31/2020 AUDUSD.fx | 0.029661 NA |
| 7/31/2020 EURCAD.fx | 0.00028 NA |
| 7/31/2020 EURCHF.fx | 0.014756 NA |
| 7/31/2020 EURGBP.fx | 0.00016 NA |
| 7/31/2020 EURJPY.fx | 0.0294 NA |
| 7/31/2020 EURUSD.fx | 0.000134 NA |
| 7/31/2020 GBPAUD.fx | 0.000365 NA |
| 7/31/2020 GBPCAD.fx | 0.00036 NA |
| 7/31/2020 GBPCHF.fx | 0.000315 NA |
| 7/31/2020 GBPJPY.fx | 0.04225 NA |
| 7/31/2020 GBPNZD.fx | 0.00038 NA |
| 7/31/2020 GBPUSD.fx | 0.000432 NA |
| 7/31/2020 NZDUSD.fx | 0.00027 NA |
| 7/31/2020 USDCAD.fx | 0.000249 NA |
| 7/31/2020 USDCHF.fx | 0.000459 NA |
| 7/31/2020 USDJPY.fx | 0.008428 NA |
| 7/31/2020 USDNOK.fx | 0.002714 NA |
| 8/3/2020 #CL.z | 0.065333 NA |
| 8/3/2020 AUDUSD.fx | 0.000213 NA |
| 8/3/2020 EURCHF.fx | 0.000138 NA |
| 8/3/2020 EURJPY.fx | 24.727216 NA |
| 8/3/2020 EURNZD.fx | 0.000245 NA |
| 8/3/2020 EURUSD.fx | 0.000147 NA |
| 8/3/2020 GBPCHF.fx | 0.000263 NA |
| 8/3/2020 GBPJPY.fx | 0.03125 NA |
| 8/3/2020 GBPUSD.fx | 0.00047 NA |
| 8/3/2020 USDCAD.fx | 0.012753 NA |
| 8/3/2020 USDCHF.fx | 0.000437 NA |
| 8/3/2020 USDJPY.fx | 0.007269 NA |
| 8/3/2020 USDNOK.fx | 0.039215 NA |
| 8/4/2020 #CL.z | 0.046769 NA |
| 8/4/2020 AUDUSD.fx | 0.000202 NA |
| 8/4/2020 CHFJPY.fx | 0.027 NA |
| 8/4/2020 DAX30.i | 25223.98561 NA |
| 8/4/2020 EURCAD.fx | 0.00017 NA |
| 8/4/2020 EURGBP.fx | 0.00014 NA |

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| 8/4/2020 EURJPY.fx | 0.019 NA |
| 8/4/2020 EURUSD.fx | 0.000144 NA |
| 8/4/2020 GBPAUD.fx | 0.00036 NA |
| 8/4/2020 GBPJPY.fx | 0.034666 NA |
| 8/4/2020 GBPUSD.fx | 0.000493 NA |
| 8/4/2020 GOLD | 3706.915 NA |
| 8/4/2020 NZDUSD.fx | 0.00018 NA |
| 8/4/2020 SILVER | 33.111 NA |
| 8/4/2020 USDCAD.fx | 0.000242 NA |
| 8/4/2020 USDMXN.fx | 0.0067 NA |
| 8/4/2020 USDNOK.fx | 0.002332 NA |
| 8/5/2020 #CL.z | 0.035333 NA |
| 8/5/2020 AUDCAD.fx | 0.000096 NA |
| 8/5/2020 AUDCHF.fx | 0.52615 NA |
| 8/5/2020 AUDJPY.fx | 0.077 NA |
| 8/5/2020 AUDUSD.fx | 0.019366 NA |
| 8/5/2020 CADCHF.fx | 0.000163 NA |
| 8/5/2020 CADJPY.fx | 0.0995 NA |
| 8/5/2020 CHFJPY.fx | 0.026 NA |
| 8/5/2020 EURCAD.fx | 0.00014 NA |
| 8/5/2020 EURCHF.fx | 0.000227 NA |
| 8/5/2020 EURGBP.fx | 0.098838 NA |
| 8/5/2020 EURJPY.fx | 2.828357 NA |
| 8/5/2020 EURNZD.fx | 0.000255 NA |
| 8/5/2020 EURUSD.fx | 0.002645 NA |
| 8/5/2020 GBPAUD.fx | 0.000445 NA |
| 8/5/2020 GBPCAD.fx | 0.00031 NA |
| 8/5/2020 GBPCHF.fx | 0.000212 NA |
| 8/5/2020 GBPJPY.fx | 0.0355 NA |
| 8/5/2020 GBPUSD.fx | 0.000282 NA |
| 8/5/2020 GOLD | 3844.423 NA |
| 8/5/2020 NZDCAD.fx | 0.000193 NA |
| 8/5/2020 USDCAD.fx | 0.013694 NA |
| 8/5/2020 USDCHF.fx | 0.000134 NA |
| 8/5/2020 USDJPY.fx | 3.283083 NA |
| 8/5/2020 USDNOK.fx | 0.002385 NA |
| 8/6/2020 #CL.z | 0.028153 NA |
| 8/6/2020 AUDCAD.fx | 0.00014 NA |
| 8/6/2020 AUDCHF.fx | 0.000126 NA |
| 8/6/2020 AUDUSD.fx | 0.000202 NA |
| 8/6/2020 DAX30.i | 25072.13667 NA |
| 8/6/2020 EURCAD.fx | 0.000208 NA |
| 8/6/2020 EURCHF.fx | 0.000103 NA |
| 8/6/2020 EURGBP.fx | 0.000128 NA |
| 8/6/2020 EURJPY.fx | 3.9101 NA |
| 8/6/2020 EURUSD.fx | 1.846667 NA |
| 8/6/2020 GBPAUD.fx | 0.00027 NA |

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| 8/6/2020 GBPCAD.fx | 0.00034 NA |
| 8/6/2020 GBPCHF.fx | 0.005262 NA |
| 8/6/2020 GBPJPY.fx | 0.031 NA |
| 8/6/2020 GBPNZD.fx | 0.00037 NA |
| 8/6/2020 GBPUSD.fx | 23.182705 NA |
| 8/6/2020 GOLD | 4124.8982 NA |
| 8/6/2020 SILVER | 55.8382 NA |
| 8/6/2020 USDCAD.fx | 1.806744 NA |
| 8/6/2020 USDCHF.fx | 34.864745 NA |
| 8/6/2020 USDJPY.fx | 0.022428 NA |
| 8/6/2020 USDZAR.fx | 0.015365 NA |
| 8/7/2020 #CL.z | 0.072 NA |
| 8/7/2020 AUDCAD.fx | 0.15536 NA |
| 8/7/2020 AUDCHF.fx | 0.00015 NA |
| 8/7/2020 AUDUSD.fx | 0.000199 NA |
| 8/7/2020 CADCHF.fx | 0.00016 NA |
| 8/7/2020 CADJPY.fx | 0.026 NA |
| 8/7/2020 DAX30.i | 25138.7615 NA |
| 8/7/2020 EURCAD.fx | 0.00028 NA |
| 8/7/2020 EURCHF.fx | 0.000135 NA |
| 8/7/2020 EURJPY.fx | 0.015 NA |
| 8/7/2020 EURNZD.fx | 0.00026 NA |
| 8/7/2020 EURUSD.fx | 1.255833 NA |
| 8/7/2020 EURZAR.fx | 0.04438 NA |
| 8/7/2020 GBPCAD.fx | 0.00026 NA |
| 8/7/2020 GBPCHF.fx | 0.00022 NA |
| 8/7/2020 GBPJPY.fx | 0.043 NA |
| 8/7/2020 GBPUSD.fx | 0.029848 NA |
| 8/7/2020 NZDCHF.fx | 0.000275 NA |
| 8/7/2020 NZDUSD.fx | 0.00026 NA |
| 8/7/2020 USDCAD.fx | 1.85317 NA |
| 8/7/2020 USDCHF.fx | 0.00033 NA |
| 8/7/2020 USDJPY.fx | 0.0251 NA |
| 8/7/2020 USDZAR.fx | 0.01702 NA |
| 8/10/2020 #AIG | 60.89902 NA |
| 8/10/2020 #CL.z | 0.072 NA |
| 8/10/2020 AUDCAD.fx | 0.00018 NA |
| 8/10/2020 AUDCHF.fx | 0.00013 NA |
| 8/10/2020 AUDUSD.fx | 0.000207 NA |
| 8/10/2020 EURCHF.fx | 0.00013 NA |
| 8/10/2020 EURGBP.fx | 0.000133 NA |
| 8/10/2020 EURJPY.fx | 0.021 NA |
| 8/10/2020 EURNZD.fx | 0.00025 NA |
| 8/10/2020 EURUSD.fx | 0.000117 NA |
| 8/10/2020 GBPCHF.fx | 0.000195 NA |
| 8/10/2020 GBPJPY.fx | 0.036 NA |
| 8/10/2020 GBPUSD.fx | 0.000227 NA |

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| 8/10/2020 GOLD | 3785.934 NA |
| 8/10/2020 NZDJPY.fx | 0.032 NA |
| 8/10/2020 NZDUSD.fx | 0.0001 NA |
| 8/10/2020 USDCAD.fx | 0.000252 NA |
| 8/10/2020 USDJPY.fx | 0.005 NA |
| 8/11/2020 #CL.z | 0.016 NA |
| 8/11/2020 AUDCAD.fx | 0.00016 NA |
| 8/11/2020 AUDUSD.fx | 0.000201 NA |
| 8/11/2020 BCHUSD | 496.4225 NA |
| 8/11/2020 CADCHF.fx | 0.000163 NA |
| 8/11/2020 CHFJPY.fx | 0.016 NA |
| 8/11/2020 EURCHF.fx | 0.000107 NA |
| 8/11/2020 EURGBP.fx | 0.000195 NA |
| 8/11/2020 EURJPY.fx | 0.0245 NA |
| 8/11/2020 EURUSD.fx | 0.006727 NA |
| 8/11/2020 GBPCHE.fx | 0.000195 NA |
| 8/11/2020 GBPJPY.fx | 0.032 NA |
| 8/11/2020 GBPNZD.fx | 0.00033 NA |
| 8/11/2020 GBPUSE.fx | 0.000063 NA |
| 8/11/2020 USDCAD.fx | 0.000254 NA |
| 8/11/2020 USDCHF.fx | 0.000165 NA |
| 8/11/2020 USDJPY.fx | 0.008074 NA |
| 8/12/2020 #CL.z | 0.033933 NA |
| 8/12/2020 AUDCAD.fx | 0.00014 NA |
| 8/12/2020 AUDCHF.fx | 0.00011 NA |
| 8/12/2020 AUDJPY.fx | 0.014 NA |
| 8/12/2020 AUDUSD.fx | 0.000216 NA |
| 8/12/2020 CHFJPY.fx | 0.0215 NA |
| 8/12/2020 EURCHF.fx | 0.00001 NA |
| 8/12/2020 EURGBP.fx | 0.000143 NA |
| 8/12/2020 EURJPY.fx | 0.0306 NA |
| 8/12/2020 EURUSD.fx | 0.004337 NA |
| 8/12/2020 GBPCHE.fx | 0.000252 NA |
| 8/12/2020 GBPJPY.fx | 0.044428 NA |
| 8/12/2020 USDCAD.fx | 0.012722 NA |
| 8/12/2020 USDCHF.fx | 0.000175 NA |
| 8/12/2020 USDJPY.fx | 0.009133 NA |
| 8/12/2020 USDZAR.fx | 0.01395 NA |
| 8/13/2020 #CL.z | 0.0574 NA |
| 8/13/2020 AUDCAD.fx | 0.000145 NA |
| 8/13/2020 AUDCHF.fx | 0.00016 NA |
| 8/13/2020 AUDUSD.fx | 0.0002 NA |
| 8/13/2020 CHFJPY.fx | 0.022 NA |
| 8/13/2020 EURCHF.fx | 0.0001 NA |
| 8/13/2020 EURJPY.fx | 0.060625 NA |
| 8/13/2020 EURUSD.fx | 0.00013 NA |
| 8/13/2020 GBPCHE.fx | 0.0003 NA |

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| 8/13/2020 GBPJPY.fx | 0.032 NA |
| 8/13/2020 GBPUUSD.fx | 0.00016 NA |
| 8/13/2020 SILVER | 31.377 NA |
| 8/13/2020 USDCAD.fx | 0.000237 NA |
| 8/13/2020 USDCHF.fx | 0.000125 NA |
| 8/13/2020 USDMXN.fx | 0.0123 NA |
| 8/14/2020 #CL.z | 0.002 NA |
| 8/14/2020 AUDCAD.fx | 0.00044 NA |
| 8/14/2020 AUDCHF.fx | 0.000145 NA |
| 8/14/2020 AUDJPY.fx | 0.024 NA |
| 8/14/2020 AUDUSD.fx | 0.024791 NA |
| 8/14/2020 CADCHF.fx | 0.000185 NA |
| 8/14/2020 CHFJPY.fx | 0.03 NA |
| 8/14/2020 EURCAD.fx | 0.00022 NA |
| 8/14/2020 EURJPY.fx | 0.0215 NA |
| 8/14/2020 EURUSD.fx | 0.023753 NA |
| 8/14/2020 GBPAUD.fx | 0.00037 NA |
| 8/14/2020 GBPCHF.fx | 0.000242 NA |
| 8/14/2020 GBPJPY.fx | 0.036666 NA |
| 8/14/2020 GBPUUSD.fx | 0.000221 NA |
| 8/14/2020 USDCAD.fx | 0.005015 NA |
| 8/14/2020 USDCHF.fx | 0.000312 NA |
| 8/14/2020 USDJPY.fx | 0.0103 NA |
| 8/14/2020 USDMXN.fx | 0.0075 NA |
| 8/17/2020 #CL.z | 0.026666 NA |
| 8/17/2020 AUDCAD.fx | 0.0002 NA |
| 8/17/2020 AUDUSD.fx | 0.000219 NA |
| 8/17/2020 CADCHF.fx | 0.00027 NA |
| 8/17/2020 EURCAD.fx | 0.0001 NA |
| 8/17/2020 EURGBP.fx | 0.00012 NA |
| 8/17/2020 EURJPY.fx | 0.0245 NA |
| 8/17/2020 EURNZD.fx | 0.00048 NA |
| 8/17/2020 EURUSD.fx | 0.000134 NA |
| 8/17/2020 GBPAUD.fx | 0.00037 NA |
| 8/17/2020 GBPCAD.fx | 0.00038 NA |
| 8/17/2020 GBPCHF.fx | 0.00021 NA |
| 8/17/2020 GBPJPY.fx | 0.039 NA |
| 8/17/2020 GBPNZD.fx | 0.00041 NA |
| 8/17/2020 GBPUUSD.fx | 0.000207 NA |
| 8/17/2020 USDCAD.fx | 0.000223 NA |
| 8/17/2020 USDCHF.fx | 0.000183 NA |
| 8/17/2020 USDJPY.fx | 0.008461 NA |
| 8/18/2020 #CL.z | 0.033235 NA |
| 8/18/2020 AUDCAD.fx | 0.00014 NA |
| 8/18/2020 AUDCHF.fx | 0.00013 NA |
| 8/18/2020 AUDUSD.fx | 0.009029 NA |
| 8/18/2020 CADCHF.fx | 0.00016 NA |

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| 8/18/2020 CADJPY.fx | 0.016 NA |
| 8/18/2020 CHFJPY.fx | 0.03 NA |
| 8/18/2020 EURCHF.fx | 0.000138 NA |
| 8/18/2020 EURJPY.fx | 35.629734 NA |
| 8/18/2020 EURUSD.fx | 0.000164 NA |
| 8/18/2020 GBPCHF.fx | 0.000206 NA |
| 8/18/2020 GBPJPY.fx | 0.305666 NA |
| 8/18/2020 GBPUSD.fx | 0.015377 NA |
| 8/18/2020 NZDCAD.fx | 0.00016 NA |
| 8/18/2020 SILVER | 29.954666 NA |
| 8/18/2020 USDCAD.fx | 0.002045 NA |
| 8/18/2020 USDCHF.fx | 0.000161 NA |
| 8/18/2020 USDJPY.fx | 0.008564 NA |
| 8/19/2020 #CL.z | 0.012285 NA |
| 8/19/2020 AUDCAD.fx | 0.00017 NA |
| 8/19/2020 AUDCHF.fx | 0.000125 NA |
| 8/19/2020 AUDJPY.fx | 0.011 NA |
| 8/19/2020 AUDUSD.fx | 0.056167 NA |
| 8/19/2020 CADCHF.fx | 0.031575 NA |
| 8/19/2020 EURCHF.fx | 0.000131 NA |
| 8/19/2020 EURGBP.fx | 0.000135 NA |
| 8/19/2020 EURJPY.fx | 0.0292 NA |
| 8/19/2020 EURUSD.fx | 0.000156 NA |
| 8/19/2020 GBPCHF.fx | 0.000437 NA |
| 8/19/2020 GBPJPY.fx | 0.033 NA |
| 8/19/2020 GBPNZD.fx | 0.00046 NA |
| 8/19/2020 GBPUSD.fx | 0.000298 NA |
| 8/19/2020 USDCAD.fx | 0.035065 NA |
| 8/19/2020 USDCHF.fx | 0.000275 NA |
| 8/19/2020 USDJPY.fx | 0.008586 NA |
| 8/20/2020 #CL.z | 0.051652 NA |
| 8/20/2020 AUDCAD.fx | 0.000276 NA |
| 8/20/2020 AUDCHF.fx | 0.000133 NA |
| 8/20/2020 AUDNZD.fx | 0.00016 NA |
| 8/20/2020 AUDUSD.fx | 0.011095 NA |
| 8/20/2020 CADJPY.fx | 0.04 NA |
| 8/20/2020 EURCHF.fx | 0.000133 NA |
| 8/20/2020 EURGBP.fx | 0.00016 NA |
| 8/20/2020 EURJPY.fx | 0.021 NA |
| 8/20/2020 EURUSD.fx | 0.000143 NA |
| 8/20/2020 GBPCAD.fx | 0.00023 NA |
| 8/20/2020 GBPCHF.fx | 0.000243 NA |
| 8/20/2020 GBPJPY.fx | 0.034833 NA |
| 8/20/2020 GBPNZD.fx | 0.000393 NA |
| 8/20/2020 GBPUSD.fx | 0.000276 NA |
| 8/20/2020 SILVER | 30.844 NA |
| 8/20/2020 USDCAD.fx | 0.00025 NA |

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| 8/20/2020 USDCHF.fx | 0.00022 NA |
| 8/20/2020 USDJPY.fx | 0.01325 NA |
| 8/20/2020 XAUUSD | 3803.624 NA |
| 8/21/2020 #CL.z | 0.038476 NA |
| 8/21/2020 AUDCAD.fx | 0.00014 NA |
| 8/21/2020 AUDJPY.fx | 0.0265 NA |
| 8/21/2020 AUDUSD.fx | 0.000216 NA |
| 8/21/2020 CADCHF.fx | 0.00028 NA |
| 8/21/2020 DAX30.i | 25655.50419 NA |
| 8/21/2020 EURCHF.fx | 0.0002 NA |
| 8/21/2020 EURGBP.fx | 0.000116 NA |
| 8/21/2020 EURJPY.fx | 41.254956 NA |
| 8/21/2020 EURUSD.fx | 0.010957 NA |
| 8/21/2020 GBPCHF.fx | 0.000212 NA |
| 8/21/2020 GBPJPY.fx | 0.026428 NA |
| 8/21/2020 GBPNZD.fx | 0.00043 NA |
| 8/21/2020 GBPUSD.fx | 17.673865 NA |
| 8/21/2020 GOLD | 3563.582 NA |
| 8/21/2020 GOLD.m | 0.5 NA |
| 8/21/2020 NZDCAD.fx | 0.00027 NA |
| 8/21/2020 USDCAD.fx | 0.00015 NA |
| 8/21/2020 XAUUSD.m | 0.46 NA |
| 8/24/2020 #CL.z | 0.049526 NA |
| 8/24/2020 AUDCAD.fx | 0.00015 NA |
| 8/24/2020 AUDNZD.fx | 0.000233 NA |
| 8/24/2020 AUDUSD.fx | 0.00011 NA |
| 8/24/2020 CADCHF.fx | 0.0003 NA |
| 8/24/2020 EURAUD.fx | 0.000316 NA |
| 8/24/2020 EURGBP.fx | 0.0001 NA |
| 8/24/2020 EURJPY.fx | 0.021666 NA |
| 8/24/2020 EURNZD.fx | 0.00005 NA |
| 8/24/2020 EURUSD.fx | 0.000142 NA |
| 8/24/2020 GBPCHF.fx | 0.00024 NA |
| 8/24/2020 GBPJPY.fx | 0.026 NA |
| 8/24/2020 GBPNZD.fx | 0.00069 NA |
| 8/24/2020 GBPUSD.fx | 0.000123 NA |
| 8/24/2020 GOLD.m | 0.55 NA |
| 8/24/2020 NZDUSD.fx | 0.00027 NA |
| 8/24/2020 USDCAD.fx | 0.000183 NA |
| 8/25/2020 #CL.z | 0.054619 NA |
| 8/25/2020 AUDNZD.fx | 0.000538 NA |
| 8/25/2020 AUDUSD.fx | 2.094806 NA |
| 8/25/2020 CADCHF.fx | 0.00017 NA |
| 8/25/2020 CHFJPY.fx | 0.01725 NA |
| 8/25/2020 DAX30.i | 26178.78455 NA |
| 8/25/2020 EURCAD.fx | 0.001 NA |
| 8/25/2020 EURGBP.fx | 0.000145 NA |

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| 8/25/2020 EURJPY.fx | 0.223875 NA |
| 8/25/2020 EURNZD.fx | 0.000223 NA |
| 8/25/2020 EURUSD.fx | 0.000126 NA |
| 8/25/2020 GBPCHF.fx | 0.000226 NA |
| 8/25/2020 GBPJPY.fx | 0.04875 NA |
| 8/25/2020 GBPUSD.fx | 0.000246 NA |
| 8/25/2020 NZDJPY.fx | 0.01 NA |
| 8/25/2020 NZDUSD.fx | 0.00025 NA |
| 8/25/2020 USDCAD.fx | 0.000305 NA |
| 8/25/2020 USDCHF.fx | 0.000355 NA |
| 8/25/2020 USDJPY.fx | 0.008058 NA |
| 8/25/2020 XAUUSD | 3848.00468 NA |
| 8/26/2020 #CL.z | 0.0579 NA |
| 8/26/2020 AUDCAD.fx | 0.000155 NA |
| 8/26/2020 AUDCHF.fx | 0.000115 NA |
| 8/26/2020 AUDUSD.fx | 0.021478 NA |
| 8/26/2020 CADCHF.fx | 0.00016 NA |
| 8/26/2020 EURCHF.fx | 0.00008 NA |
| 8/26/2020 EURGBP.fx | 0.000115 NA |
| 8/26/2020 EURJPY.fx | 0.02525 NA |
| 8/26/2020 EURUSD.fx | 0.031488 NA |
| 8/26/2020 GBPCHF.fx | 0.000216 NA |
| 8/26/2020 GBPNZD.fx | 0.000701 NA |
| 8/26/2020 GBPUSD.fx | 0.040133 NA |
| 8/26/2020 JP225.i | 46438.705 NA |
| 8/26/2020 SILVER | 33.564 NA |
| 8/26/2020 USDCAD.fx | 0.00017 NA |
| 8/26/2020 USDDKK.fx | 0.007595 NA |
| 8/26/2020 USDJPY.fx | 0.004666 NA |
| 8/26/2020 XAUUSD | 3843.862105 NA |
| 8/27/2020 #CL.z | 0.052405 NA |
| 8/27/2020 AUDCAD.fx | 0.00017 NA |
| 8/27/2020 AUDCHF.fx | 0.00013 NA |
| 8/27/2020 AUDUSD.fx | 0.029971 NA |
| 8/27/2020 EURAUD.fx | 0.00035 NA |
| 8/27/2020 EURCHF.fx | 0.00016 NA |
| 8/27/2020 EURGBP.fx | 0.00012 NA |
| 8/27/2020 EURJPY.fx | 27.668104 NA |
| 8/27/2020 EURUSD.fx | 0.002558 NA |
| 8/27/2020 GBPCAD.fx | 0.00034 NA |
| 8/27/2020 GBPCHF.fx | 0.00023 NA |
| 8/27/2020 GBPJPY.fx | 0.034714 NA |
| 8/27/2020 GBPNZD.fx | 0.000765 NA |
| 8/27/2020 GBPUSD.fx | 0.000253 NA |
| 8/27/2020 USDCAD.fx | 0.00023 NA |
| 8/27/2020 USDCHF.fx | 0.000136 NA |
| 8/27/2020 USDJPY.fx | 0.010655 NA |

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| 8/27/2020 XAUUSD | 3901.39 NA |
| 8/27/2020 XAUUSD.m | 0.41 NA |
| 8/28/2020 #CL.z | 0.061648 NA |
| 8/28/2020 AUDCAD.fx | 0.000155 NA |
| 8/28/2020 AUDCHF.fx | 0.000135 NA |
| 8/28/2020 AUDNZD.fx | 0.00012 NA |
| 8/28/2020 AUDUSD.fx | 0.000106 NA |
| 8/28/2020 EURGBP.fx | 0.00008 NA |
| 8/28/2020 EURJPY.fx | 27.614104 NA |
| 8/28/2020 EURUSD.fx | 4.628931 NA |
| 8/28/2020 GBPCHE.fx | 0.000215 NA |
| 8/28/2020 GBPJPY.fx | 0.036 NA |
| 8/28/2020 GBPUSD.fx | 9.507004 NA |
| 8/28/2020 NZDUSD.fx | 0.00025 NA |
| 8/28/2020 USDCAD.fx | 7.850424 NA |
| 8/28/2020 USDCHF.fx | 22.380954 NA |
| 8/28/2020 USDJPY.fx | 0.724719 NA |
| 8/28/2020 XAUUSD | 3889.00595 NA |
| 8/31/2020 #CL.z | 0.023333 NA |
| 8/31/2020 AUDCAD.fx | 0.00014 NA |
| 8/31/2020 AUDCHF.fx | 0.000095 NA |
| 8/31/2020 AUDUSD.fx | 0.000115 NA |
| 8/31/2020 CHFJPY.fx | 0.027 NA |
| 8/31/2020 EURCHF.fx | 0.00006 NA |
| 8/31/2020 EURGBP.fx | 0.00021 NA |
| 8/31/2020 EURJPY.fx | 35.813391 NA |
| 8/31/2020 EURUSD.fx | 5.226193 NA |
| 8/31/2020 GBPCHE.fx | 0.000218 NA |
| 8/31/2020 GBPJPY.fx | 0.046 NA |
| 8/31/2020 GBPUSD.fx | 6.980822 NA |
| 8/31/2020 USDCAD.fx | 0.000177 NA |
| 8/31/2020 USDCHF.fx | 0.000136 NA |
| 8/31/2020 USDJPY.fx | 29.977391 NA |
| 8/31/2020 XAUUSD | 3935.946515 NA |
| 9/1/2020 #CL.z | 0.067208 NA |
| 9/1/2020 AUDCAD.fx | 0.000175 NA |
| 9/1/2020 AUDCHF.fx | 0.00013 NA |
| 9/1/2020 AUDUSD.fx | 0.000145 NA |
| 9/1/2020 CADCHF.fx | 0.000196 NA |
| 9/1/2020 EURCAD.fx | 0.00025 NA |
| 9/1/2020 EURCHF.fx | 0.119095 NA |
| 9/1/2020 EURGBP.fx | 0.129743 NA |
| 9/1/2020 EURJPY.fx | 0.027928 NA |
| 9/1/2020 EURMXN.fx | 0.0041 NA |
| 9/1/2020 EURUSD.fx | 0.000165 NA |
| 9/1/2020 GBPCHE.fx | 0.000217 NA |
| 9/1/2020 GBPJPY.fx | 0.032 NA |

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| 9/1/2020 GBPUSD.fx | 0.000186 NA |
| 9/1/2020 GOLD | 3927.31671 NA |
| 9/1/2020 NZDCAD.fx | 0.00019 NA |
| 9/1/2020 USDCAD.fx | 0.000175 NA |
| 9/1/2020 USDCHF.fx | 0.000115 NA |
| 9/1/2020 XAUUSD | 3968.83973 NA |
| 9/2/2020 #CL.z | 0.037117 NA |
| 9/2/2020 AUDCAD.fx | 0.000143 NA |
| 9/2/2020 AUDCHF.fx | 0.000126 NA |
| 9/2/2020 AUDJPY.fx | 0.01 NA |
| 9/2/2020 AUDUSD.fx | 0.00013 NA |
| 9/2/2020 CADCHF.fx | 0.000133 NA |
| 9/2/2020 CADJPY.fx | 0.01 NA |
| 9/2/2020 EURAUD.fx | 0.00009 NA |
| 9/2/2020 EURCAD.fx | 0.00018 NA |
| 9/2/2020 EURCHF.fx | 0.000084 NA |
| 9/2/2020 EURGBP.fx | 0.00012 NA |
| 9/2/2020 EURJPY.fx | 20.899525 NA |
| 9/2/2020 EURMXN.fx | 0.004183 NA |
| 9/2/2020 EURUSD.fx | 0.015902 NA |
| 9/2/2020 GBPCAD.fx | 0.00037 NA |
| 9/2/2020 GBPCHF.fx | 0.000193 NA |
| 9/2/2020 GBPJPY.fx | 0.0354 NA |
| 9/2/2020 GBPUSD.fx | 0.004068 NA |
| 9/2/2020 GOLD | 3937.44614 NA |
| 9/2/2020 NZDCAD.fx | 0.00018 NA |
| 9/2/2020 NZDCHF.fx | 0.00011 NA |
| 9/2/2020 SILVER | 52.22446 NA |
| 9/2/2020 USDCAD.fx | 0.0451 NA |
| 9/2/2020 USDCHF.fx | 0.000122 NA |
| 9/2/2020 USDJPY.fx | 0.004833 NA |
| 9/2/2020 USDMXN.fx | 0.0054 NA |
| 9/2/2020 XAUUSD | 3843.0695 NA |
| 9/3/2020 #CL.z | 0.0639 NA |
| 9/3/2020 AUDCHF.fx | 0.00013 NA |
| 9/3/2020 AUDUSD.fx | 0.0001 NA |
| 9/3/2020 CADCHF.fx | 0.00017 NA |
| 9/3/2020 EURGBP.fx | 0.000107 NA |
| 9/3/2020 EURHKD.fx | 0.00205 NA |
| 9/3/2020 EURJPY.fx | 0.025153 NA |
| 9/3/2020 EURMXN.fx | 0.0034 NA |
| 9/3/2020 EURUSD.fx | 0.00011 NA |
| 9/3/2020 GBPCHF.fx | 0.000245 NA |
| 9/3/2020 GBPJPY.fx | 0.034 NA |
| 9/3/2020 GBPNZD.fx | 0.00038 NA |
| 9/3/2020 GBPUSD.fx | 0.000138 NA |
| 9/3/2020 NZDCAD.fx | 0.000103 NA |

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| 9/3/2020 NZDCHF.fx | 0.0001 NA |
| 9/3/2020 NZDJPY.fx | 0.01 NA |
| 9/3/2020 USDCAD.fx | 0.000235 NA |
| 9/3/2020 USDCHF.fx | 0.00009 NA |
| 9/3/2020 USDJPY.fx | 0.007736 NA |
| 9/3/2020 USDMXN.fx | 0.0057 NA |
| 9/4/2020 #CL.z | 0.038526 NA |
| 9/4/2020 #HPQ | 14.497 NA |
| 9/4/2020 #SPY | 686.55126 NA |
| 9/4/2020 AUDCAD.fx | 0.0001 NA |
| 9/4/2020 AUDUSD.fx | 0.000112 NA |
| 9/4/2020 CADCHF.fx | 0.00017 NA |
| 9/4/2020 CHFPLN.fx | 0.00862 NA |
| 9/4/2020 EURAUD.fx | 0.0002 NA |
| 9/4/2020 EURCHF.fx | 0.0002 NA |
| 9/4/2020 EURGBP.fx | 0.000135 NA |
| 9/4/2020 EURJPY.fx | 0.025 NA |
| 9/4/2020 EURUSD.fx | 0.001242 NA |
| 9/4/2020 GBPCHF.fx | 0.000285 NA |
| 9/4/2020 GBPUSD.fx | 0.01919 NA |
| 9/4/2020 NOKJPY.fx | 0.016 NA |
| 9/4/2020 NZDJPY.fx | 0.011 NA |
| 9/4/2020 USDCAD.fx | 0.000198 NA |
| 9/4/2020 USDCHF.fx | 0.000096 NA |
| 9/4/2020 USDJPY.fx | 0.01 NA |
| 9/7/2020 #CL.z | 0.004555 NA |
| 9/7/2020 AUDCAD.fx | 0.00016 NA |
| 9/7/2020 AUDCHF.fx | 0.00019 NA |
| 9/7/2020 AUDNZD.fx | 0.000365 NA |
| 9/7/2020 CADCHF.fx | 0.00024 NA |
| 9/7/2020 EURCHF.fx | 0.00012 NA |
| 9/7/2020 EURGBP.fx | 0.00013 NA |
| 9/7/2020 EURUSD.fx | 0.000106 NA |
| 9/7/2020 GBPCHF.fx | 0.103276 NA |
| 9/7/2020 GBPJPY.fx | 0.022 NA |
| 9/7/2020 GBPUSD.fx | 0.00068 NA |
| 9/7/2020 NZDUSD.fx | 0.00027 NA |
| 9/7/2020 USDCAD.fx | 0.000185 NA |
| 9/7/2020 USDCHF.fx | 0.00031 NA |
| 9/7/2020 USDJPY.fx | 0.016 NA |
| 9/8/2020 #CL.z | 0.016187 NA |
| 9/8/2020 AUDCAD.fx | 0.00012 NA |
| 9/8/2020 AUDCHF.fx | 0.000125 NA |
| 9/8/2020 AUDUSD.fx | 0.000134 NA |
| 9/8/2020 CADCHF.fx | 0.00017 NA |
| 9/8/2020 EURGBP.fx | 0.000123 NA |
| 9/8/2020 EURJPY.fx | 0.013153 NA |

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| 9/8/2020 EURMXN.fx | 0.003709 NA |
| 9/8/2020 EURUSD.fx | 0.000152 NA |
| 9/8/2020 GBPCHF.fx | 0.000222 NA |
| 9/8/2020 GBPJPY.fx | 0.026 NA |
| 9/8/2020 GBPUUSD.fx | 0.000136 NA |
| 9/8/2020 NZDCAD.fx | 0.00011 NA |
| 9/8/2020 NZDCHF.fx | 0.000093 NA |
| 9/8/2020 NZDJPY.fx | 0.008428 NA |
| 9/8/2020 USDCAD.fx | 0.000315 NA |
| 9/8/2020 USDCHF.fx | 0.00014 NA |
| 9/8/2020 USDDKK.fx | 0.00321 NA |
| 9/8/2020 USDJPY.fx | 0.00675 NA |
| 9/8/2020 USDPLN.fx | 0.0043 NA |
| 9/9/2020 #CL.z | 0.001916 NA |
| 9/9/2020 AUDCAD.fx | 0.000115 NA |
| 9/9/2020 AUDCHF.fx | 0.000127 NA |
| 9/9/2020 AUDSGD.fx | 0.000295 NA |
| 9/9/2020 AUDUSD.fx | 0.151393 NA |
| 9/9/2020 CADCHF.fx | 0.00018 NA |
| 9/9/2020 EURCHF.fx | 0.0001 NA |
| 9/9/2020 EURGBP.fx | 0.00014 NA |
| 9/9/2020 EURJPY.fx | 41.307175 NA |
| 9/9/2020 EURMXN.fx | 0.003766 NA |
| 9/9/2020 EURUSD.fx | 0.008492 NA |
| 9/9/2020 GBPAUD.fx | 0.00031 NA |
| 9/9/2020 GBPCAD.fx | 0.00033 NA |
| 9/9/2020 GBPCHF.fx | 0.000256 NA |
| 9/9/2020 GBPJPY.fx | 68.059895 NA |
| 9/9/2020 GBPNZD.fx | 0.000372 NA |
| 9/9/2020 GBPUUSD.fx | 0.005658 NA |
| 9/9/2020 GOLD | 3863.66856 NA |
| 9/9/2020 USDCAD.fx | 0.000258 NA |
| 9/9/2020 USDCHF.fx | 0.202437 NA |
| 9/9/2020 USDJPY.fx | 7.4948 NA |
| 9/9/2020 USDMXN.fx | 0.0071 NA |
| 9/9/2020 USDZAR.fx | 0.014655 NA |
| 9/10/2020 #CL.z | 0.001666 NA |
| 9/10/2020 AUDCAD.fx | 0.41884 NA |
| 9/10/2020 AUDCHF.fx | 0.00014 NA |
| 9/10/2020 AUDUSD.fx | 0.054401 NA |
| 9/10/2020 CADCHF.fx | 0.000153 NA |
| 9/10/2020 CHFJPY.fx | 0.016 NA |
| 9/10/2020 EURCHF.fx | 0.00076 NA |
| 9/10/2020 EURGBP.fx | 0.029522 NA |
| 9/10/2020 EURJPY.fx | 17.855675 NA |
| 9/10/2020 EURMXN.fx | 0.009175 NA |
| 9/10/2020 EURNOK.fx | 0.004035 NA |

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| 9/10/2020 EURUSD.fx | 10.396303 NA |
| 9/10/2020 GBPCHF.fx | 0.027674 NA |
| 9/10/2020 GBPJPY.fx | 0.035 NA |
| 9/10/2020 GBPUSD.fx | 0.01446 NA |
| 9/10/2020 NZDJPY.fx | 0.009666 NA |
| 9/10/2020 USDCAD.fx | 0.000162 NA |
| 9/10/2020 USDCHF.fx | 0.000122 NA |
| 9/10/2020 USDJPY.fx | 0.004 NA |
| 9/10/2020 USDMXN.fx | 0.0095 NA |
| 9/10/2020 USDNOK.fx | 0.004 NA |
| 9/11/2020 #CL.z | 0.058354 NA |
| 9/11/2020 AUDCAD.fx | 0.00034 NA |
| 9/11/2020 AUDNOK.fx | 0.0116 NA |
| 9/11/2020 AUDNZD.fx | 0.00205 NA |
| 9/11/2020 AUDUSD.fx | 0.012957 NA |
| 9/11/2020 EURGBP.fx | 0.000455 NA |
| 9/11/2020 EURHUF.fx | 0.409 NA |
| 9/11/2020 EURJPY.fx | 0.01 NA |
| 9/11/2020 EURNOK.fx | 0.02017 NA |
| 9/11/2020 EURUSD.fx | 0.00778 NA |
| 9/11/2020 GBPAUD.fx | 0.00032 NA |
| 9/11/2020 GBPCHF.fx | 0.000347 NA |
| 9/11/2020 GBPJPY.fx | 0.037 NA |
| 9/11/2020 GBPUSD.fx | 0.033856 NA |
| 9/11/2020 NOKJPY.fx | 0.0265 NA |
| 9/11/2020 USDCHF.fx | 0.0001 NA |
| 9/11/2020 USDSGD.fx | 0.00086 NA |
| 9/14/2020 #CL.z | 0.060849 NA |
| 9/14/2020 AUDCHF.fx | 0.00013 NA |
| 9/14/2020 AUDUSD.fx | 0.000106 NA |
| 9/14/2020 EURGBP.fx | 0.00013 NA |
| 9/14/2020 EURMXN.fx | 0.004066 NA |
| 9/14/2020 EURNOK.fx | 0.00487 NA |
| 9/14/2020 EURUSD.fx | 0.000096 NA |
| 9/14/2020 GBPCHF.fx | 0.000235 NA |
| 9/14/2020 GBPUSD.fx | 0.00011 NA |
| 9/14/2020 NZDCAD.fx | 0.0001 NA |
| 9/14/2020 NZDCHF.fx | 0.0001 NA |
| 9/14/2020 USDCAD.fx | 0.000128 NA |
| 9/14/2020 USDCHF.fx | 0.000125 NA |
| 9/14/2020 USDJPY.fx | 0.013 NA |
| 9/14/2020 USDMXN.fx | 0.0039 NA |
| 9/15/2020 #CL.z | 0.061989 NA |
| 9/15/2020 AUDCAD.fx | 0.000206 NA |
| 9/15/2020 AUDCHF.fx | 0.29908 NA |
| 9/15/2020 AUDUSD.fx | 0.014526 NA |
| 9/15/2020 EURGBP.fx | 0.000143 NA |

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| 9/15/2020 EURMXN.fx | 0.00385 NA |
| 9/15/2020 EURUSD.fx | 0.000096 NA |
| 9/15/2020 GBPCHF.fx | 0.000221 NA |
| 9/15/2020 GBPJPY.fx | 0.036666 NA |
| 9/15/2020 GBPUSD.fx | 0.000131 NA |
| 9/15/2020 NZDJPY.fx | 0.02 NA |
| 9/15/2020 USDCAD.fx | 0.000433 NA |
| 9/15/2020 USDCHF.fx | 0.00029 NA |
| 9/16/2020 #CL.z | 0.065204 NA |
| 9/16/2020 AUDCAD.fx | 0.00014 NA |
| 9/16/2020 AUDSGD.fx | 0.000297 NA |
| 9/16/2020 AUDUSD.fx | 0.000117 NA |
| 9/16/2020 CADCHF.fx | 0.000225 NA |
| 9/16/2020 EURCHF.fx | 0.00014 NA |
| 9/16/2020 EURGBP.fx | 0.000165 NA |
| 9/16/2020 EURJPY.fx | 0.017222 NA |
| 9/16/2020 EURMXN.fx | 0.0037 NA |
| 9/16/2020 EURNOK.fx | 0.00397 NA |
| 9/16/2020 EURNZD.fx | 0.00039 NA |
| 9/16/2020 EURUSD.fx | 0.00982 NA |
| 9/16/2020 GBPAUD.fx | 0.00043 NA |
| 9/16/2020 GBPCHF.fx | 0.000294 NA |
| 9/16/2020 GBPJPY.fx | 0.038 NA |
| 9/16/2020 GBPUSD.fx | 0.007356 NA |
| 9/16/2020 GOLD | 3931.395883 NA |
| 9/16/2020 NZDJPY.fx | 0.007 NA |
| 9/16/2020 USDCAD.fx | 0.05385 NA |
| 9/16/2020 USDJPY.fx | 0.010471 NA |
| 9/16/2020 USDMXN.fx | 0.5302 NA |
| 9/17/2020 #CL.z | 0.001 NA |
| 9/17/2020 AUDCAD.fx | 0.000202 NA |
| 9/17/2020 AUDUSD.fx | 0.000142 NA |
| 9/17/2020 CADCHF.fx | 0.00014 NA |
| 9/17/2020 EURCHF.fx | 0.00011 NA |
| 9/17/2020 EURGBP.fx | 0.000112 NA |
| 9/17/2020 EURJPY.fx | 0.028 NA |
| 9/17/2020 EURMXN.fx | 0.0037 NA |
| 9/17/2020 EURUSD.fx | 0.009208 NA |
| 9/17/2020 GBPCHF.fx | 0.000245 NA |
| 9/17/2020 GBPJPY.fx | 0.067 NA |
| 9/17/2020 GBPUSD.fx | 0.000307 NA |
| 9/17/2020 GBPZAR.fx | 0.0403 NA |
| 9/17/2020 GOLD | 3875.111465 NA |
| 9/17/2020 NZDUSD.fx | 0.00016 NA |
| 9/17/2020 USDCAD.fx | 0.000233 NA |
| 9/17/2020 USDJPY.fx | 0.015937 NA |
| 9/17/2020 USDMXN.fx | 0.0037 NA |

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| 9/17/2020 USDZAR.fx | 0.00393 NA |
| 9/18/2020 #NG.z | 0.026 NA |
| 9/18/2020 AUDUSD.fx | 0.000083 NA |
| 9/18/2020 EURCHF.fx | 0.000135 NA |
| 9/18/2020 EURGBP.fx | 0.000128 NA |
| 9/18/2020 EURJPY.fx | 0.031 NA |
| 9/18/2020 EURMXN.fx | 0.00385 NA |
| 9/18/2020 EURUSD.fx | 0.018227 NA |
| 9/18/2020 GBPCHF.fx | 0.25977 NA |
| 9/18/2020 GBPJPY.fx | 0.035 NA |
| 9/18/2020 GBPUSD.fx | 0.007419 NA |
| 9/18/2020 GBPZAR.fx | 0.038833 NA |
| 9/18/2020 NZDUSD.fx | 0.000194 NA |
| 9/18/2020 USDCAD.fx | 0.000324 NA |
| 9/18/2020 USDHUF.fx | 0.253 NA |
| 9/18/2020 USDJPY.fx | 7.7832 NA |
| 9/18/2020 USDMXN.fx | 0.00685 NA |
| 9/18/2020 USDZAR.fx | 0.0062 NA |
| 9/21/2020 #CL.z | 0.016769 NA |
| 9/21/2020 AUDCAD.fx | 0.000136 NA |
| 9/21/2020 AUDCHF.fx | 0.06045 NA |
| 9/21/2020 AUDUSD.fx | 0.000127 NA |
| 9/21/2020 EURCHF.fx | 0.000135 NA |
| 9/21/2020 EURGBP.fx | 0.00015 NA |
| 9/21/2020 EURJPY.fx | 25.849576 NA |
| 9/21/2020 EURMXN.fx | 0.0038 NA |
| 9/21/2020 EURUSD.fx | 0.00818 NA |
| 9/21/2020 GBPCHF.fx | 0.000226 NA |
| 9/21/2020 GBPJPY.fx | 45.979806 NA |
| 9/21/2020 GBPUSD.fx | 0.005661 NA |
| 9/21/2020 NZDCAD.fx | 0.0001 NA |
| 9/21/2020 NZDCHF.fx | 0.000085 NA |
| 9/21/2020 NZDUSD.fx | 0.0001 NA |
| 9/21/2020 SILVER | 50.34249 NA |
| 9/21/2020 USDCAD.fx | 0.000277 NA |
| 9/21/2020 USDJPY.fx | 3.388696 NA |
| 9/21/2020 USDMXN.fx | 0.0057 NA |
| 9/22/2020 #CL.z | 0.0606 NA |
| 9/22/2020 AUDCAD.fx | 0.000135 NA |
| 9/22/2020 AUDCHF.fx | 0.00016 NA |
| 9/22/2020 AUDUSD.fx | 0.00012 NA |
| 9/22/2020 CADCHF.fx | 0.00016 NA |
| 9/22/2020 EURGBP.fx | 0.000129 NA |
| 9/22/2020 EURJPY.fx | 0.008 NA |
| 9/22/2020 EURUSD.fx | 0.000128 NA |
| 9/22/2020 GBPCHF.fx | 0.000196 NA |
| 9/22/2020 GBPJPY.fx | 0.078 NA |

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| 9/22/2020 GBPUSD.fx | 0.000112 NA |
| 9/22/2020 GOLD | 3801.9131 NA |
| 9/22/2020 NASDAQ100.i | 22089.64012 NA |
| 9/22/2020 NZDCHF.fx | 0.00013 NA |
| 9/22/2020 NZDJPY.fx | 0.045 NA |
| 9/22/2020 USDCAD.fx | 0.000151 NA |
| 9/22/2020 USDHUF.fx | 0.27125 NA |
| 9/22/2020 USDMXN.fx | 0.01006 NA |
| 9/23/2020 #CL.z | 0.050121 NA |
| 9/23/2020 #NG.z | 0.024666 NA |
| 9/23/2020 AUDCAD.fx | 0.000123 NA |
| 9/23/2020 AUDCHF.fx | 0.000145 NA |
| 9/23/2020 AUDUSD.fx | 0.000108 NA |
| 9/23/2020 EURCHF.fx | 0.00012 NA |
| 9/23/2020 EURGBP.fx | 0.000123 NA |
| 9/23/2020 EURJPY.fx | 0.012 NA |
| 9/23/2020 EURMXN.fx | 0.003377 NA |
| 9/23/2020 EURUSD.fx | 0.000096 NA |
| 9/23/2020 GBPCHF.fx | 0.087371 NA |
| 9/23/2020 GBPJPY.fx | 0.045 NA |
| 9/23/2020 GBPNZD.fx | 0.000633 NA |
| 9/23/2020 GBPUSD.fx | 2.387379 NA |
| 9/23/2020 NZDCAD.fx | 0.00011 NA |
| 9/23/2020 NZDCHF.fx | 0.000106 NA |
| 9/23/2020 NZDUSD.fx | 0.000105 NA |
| 9/23/2020 USDCAD.fx | 0.019211 NA |
| 9/23/2020 USDHUF.fx | 0.333 NA |
| 9/23/2020 USDJPY.fx | 0.009 NA |
| 9/23/2020 USDMXN.fx | 0.004108 NA |
| 9/24/2020 #CL.z | 0.065085 NA |
| 9/24/2020 AUDCAD.fx | 0.00022 NA |
| 9/24/2020 AUDCHF.fx | 0.00015 NA |
| 9/24/2020 AUDUSD.fx | 0.00017 NA |
| 9/24/2020 CADCHF.fx | 0.00017 NA |
| 9/24/2020 EURCHF.fx | 0.000125 NA |
| 9/24/2020 EURGBP.fx | 0.000127 NA |
| 9/24/2020 EURMXN.fx | 0.003691 NA |
| 9/24/2020 EURNZD.fx | 0.00041 NA |
| 9/24/2020 EURUSD.fx | 0.000078 NA |
| 9/24/2020 GBPCHF.fx | 0.00025 NA |
| 9/24/2020 GBPJPY.fx | 0.036 NA |
| 9/24/2020 GBPUSD.fx | 0.000109 NA |
| 9/24/2020 NZDCHF.fx | 0.0001 NA |
| 9/24/2020 NZDUSD.fx | 0.000165 NA |
| 9/24/2020 USDCAD.fx | 0.000268 NA |
| 9/24/2020 USDCHF.fx | 0.000142 NA |
| 9/24/2020 USDMXN.fx | 0.009561 NA |

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| 9/25/2020 #CL.z | 0.060047 NA |
| 9/25/2020 AUDCAD.fx | 0.00028 NA |
| 9/25/2020 AUDCHF.fx | 0.00015 NA |
| 9/25/2020 AUDUSD.fx | 0.01019 NA |
| 9/25/2020 CHFJPY.fx | 0.026 NA |
| 9/25/2020 EURGBP.fx | 0.00012 NA |
| 9/25/2020 EURJPY.fx | 0.0105 NA |
| 9/25/2020 EURUSD.fx | 0.000117 NA |
| 9/25/2020 GBPCHE.fx | 0.00018 NA |
| 9/25/2020 GBPJPY.fx | 0.037 NA |
| 9/25/2020 GBPUSD.fx | 0.00014 NA |
| 9/25/2020 NZDUSD.fx | 0.00016 NA |
| 9/25/2020 SILVER | 222.772 NA |
| 9/25/2020 USDCAD.fx | 0.000176 NA |
| 9/25/2020 USDCHF.fx | 0.00013 NA |
| 9/25/2020 USDHUF.fx | 0.367 NA |
| 9/25/2020 USDMXN.fx | 0.0094 NA |
| 9/28/2020 #CL.z | 0.0456 NA |
| 9/28/2020 AUDCAD.fx | 0.00019 NA |
| 9/28/2020 AUDCHF.fx | 0.000145 NA |
| 9/28/2020 AUDUSD.fx | 0.000218 NA |
| 9/28/2020 CADCHF.fx | 0.00018 NA |
| 9/28/2020 CHFJPY.fx | 0.026 NA |
| 9/28/2020 EURCHF.fx | 0.00015 NA |
| 9/28/2020 EURGBP.fx | 0.000145 NA |
| 9/28/2020 EURMXN.fx | 0.004566 NA |
| 9/28/2020 EURUSD.fx | 0.000105 NA |
| 9/28/2020 GBPCHE.fx | 0.006415 NA |
| 9/28/2020 GBPJPY.fx | 0.036 NA |
| 9/28/2020 GBPNZD.fx | 0.00235 NA |
| 9/28/2020 GBPUSD.fx | 0.00011 NA |
| 9/28/2020 NASDAQ100.i | 22557.13111 NA |
| 9/28/2020 NZDUSD.fx | 0.00015 NA |
| 9/28/2020 USDCAD.fx | 0.00025 NA |
| 9/28/2020 USDMXN.fx | 0.0037 NA |
| 9/29/2020 #CL.z | 0.045043 NA |
| 9/29/2020 #NG.z | 0.025 NA |
| 9/29/2020 AUDCAD.fx | 0.096326 NA |
| 9/29/2020 AUDCHF.fx | 0.00013 NA |
| 9/29/2020 AUDJPY.fx | 0.009 NA |
| 9/29/2020 AUDUSD.fx | 0.00011 NA |
| 9/29/2020 CADCHF.fx | 0.00019 NA |
| 9/29/2020 EURGBP.fx | 0.000127 NA |
| 9/29/2020 EURJPY.fx | 0.014 NA |
| 9/29/2020 EURUSD.fx | 0.025198 NA |
| 9/29/2020 GBPCHE.fx | 0.000341 NA |
| 9/29/2020 GBPJPY.fx | 0.034 NA |

| | |
|-----------------------|----------------|
| 9/29/2020 GBPUSD.fx | 44.70694 NA |
| 9/29/2020 NZDCAD.fx | 0.00015 NA |
| 9/29/2020 USDCAD.fx | 0.00017 NA |
| 9/29/2020 USDCHE.fx | 0.00021 NA |
| 9/29/2020 USDDKK.fx | 0.00325 NA |
| 9/30/2020 #CL.z | 0.00432 NA |
| 9/30/2020 #NG.z | 0.025 NA |
| 9/30/2020 AUDCAD.fx | 0.000195 NA |
| 9/30/2020 AUDCHF.fx | 0.00015 NA |
| 9/30/2020 AUDUSD.fx | 0.000125 NA |
| 9/30/2020 CADCHF.fx | 0.00018 NA |
| 9/30/2020 EURGBP.fx | 0.029562 NA |
| 9/30/2020 EURSEK.fx | 0.00422 NA |
| 9/30/2020 EURUSD.fx | 0.001306 NA |
| 9/30/2020 GBPCHF.fx | 0.000247 NA |
| 9/30/2020 GBPJPY.fx | 0.044 NA |
| 9/30/2020 GBPUSD.fx | 0.000148 NA |
| 9/30/2020 NASDAQ100.i | 22664.02979 NA |
| 9/30/2020 USDCAD.fx | 0.000154 NA |

Average spread at best bid and offer Number of cancellations at best bid and offer

0.073545 NA
0.023 NA
0.00025 NA
0.000115 NA
0.00013 NA
0.00027 NA
0.000192 NA
0.02475 NA
0.00039 NA
0.001766 NA
0.00026 NA
0.000263 NA
0.0525 NA
0.00037 NA
0.00014 NA
0.00026 NA
0.0042 NA
0.008 NA
0.009515 NA
0.002428 NA
0.085 NA
0.023 NA
0.0001 NA
0.00017 NA
0.00017 NA
0.024 NA
0.00038 NA
0.000107 NA
0.00028 NA
0.00022 NA
0.054666 NA
0.000177 NA
0.0002 NA
0.00021 NA
0.0002 NA
0.00013 NA
0.011 NA
0.010031 NA
0.002484 NA
0.104 NA
0.00113 NA
0.102 NA
0.00032 NA
0.00017 NA
0.000173 NA
0.0003 NA

0.0001 NA
0.00027 NA
0.000275 NA
0.053 NA
0.000132 NA
0.00019 NA
0.00027 NA
0.031 NA
0.00025 NA
0.0091 NA
0.01083 NA
0.082852 NA
0.025 NA
0.016 NA
0.021 NA
0.0328 NA
0.0003 NA
0.027272 NA
0.000286 NA
0.000107 NA
0.00026 NA
0.00023 NA
0.049666 NA
0.000112 NA
0.42 NA
0.027 NA
0.000193 NA
0.000243 NA
0.00013 NA
0.011 NA
0.009253 NA
0.006848 NA
0.0752 NA
0.06 NA
0.028 NA
0.000203 NA
0.000213 NA
0.000128 NA
0.000116 NA
0.000119 NA
0.000277 NA
0.00019 NA
0.054312 NA
0.00031 NA
0.000119 NA
0.00023 NA
0.000244 NA

0.012 NA
0.010692 NA
0.00801 NA
0.072571 NA
0.00023 NA
0.000199 NA
0.016 NA
0.000127 NA
0.000176 NA
0.025 NA
0.000273 NA
0.000125 NA
0.00028 NA
0.049333 NA
0.000138 NA
0.00028 NA
0.00028 NA
0.022 NA
0.00026 NA
0.000245 NA
0.000147 NA
0.002439 NA
0.074448 NA
0.061 NA
0.000206 NA
0.00012 NA
0.00032 NA
0.00014 NA
0.000167 NA
0.022166 NA
0.000365 NA
0.000121 NA
0.00028 NA
0.00022 NA
0.051529 NA
0.00008 NA
0.505 NA
0.00026 NA
0.000256 NA
0.00025 NA
0.000196 NA
0.014 NA
0.005828 NA
0.072375 NA
0.00023 NA
0.023 NA
0.000199 NA

0.000228 NA
0.00023 NA
0.015222 NA
0.000523 NA
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0.000315 NA
0.000188 NA
0.32 NA
0.00025 NA
0.000259 NA
0.011111 NA
0.004624 NA
0.71 NA
0.076384 NA
0.00012 NA
0.000245 NA
0.014 NA
0.00019 NA
0.000202 NA
0.026 NA
0.024 NA
0.000138 NA
0.000665 NA
0.0145 NA
0.000131 NA
0.000525 NA
0.000335 NA
0.0592 NA
0.000431 NA
0.61 NA
0.00025 NA
0.0295 NA
0.00025 NA
0.00021 NA
0.008 NA
0.0087 NA
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0.0802 NA
0.00023 NA
0.000196 NA
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0.000126 NA
0.023571 NA
0.00028 NA

0.011792 NA
0.000129 NA
0.000226 NA
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0.042 NA
0.00018 NA
0.029 NA
0.0001 NA
0.00023 NA
0.00021 NA
0.003281 NA
0.076413 NA
0.000255 NA
0.000196 NA
0.00012 NA
0.00017 NA
0.000137 NA
0.000235 NA
0.018186 NA
0.000332 NA
0.000335 NA
0.00025 NA
0.041666 NA
0.000128 NA
0.00024 NA
0.029 NA
0.00024 NA
0.000253 NA
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0.009333 NA
0.002648 NA
0.01477 NA
0.073 NA
0.000235 NA
0.000203 NA
0.000215 NA
0.000275 NA
0.000138 NA
0.00021 NA
0.026333 NA
0.00018 NA
0.000135 NA
0.000393 NA
0.00036 NA
0.000325 NA
0.03225 NA
0.000167 NA

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0.00026 NA
0.032 NA
0.00028 NA
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0.075333 NA
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0.0155 NA
0.023 NA
0.00028 NA
0.000143 NA
0.000166 NA
0.021875 NA
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0.00023 NA
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0.000167 NA
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0.000305 NA
0.011 NA
0.00202 NA
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0.00026 NA
0.000232 NA
0.00043 NA
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0.00071 NA
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0.000318 NA
0.000245 NA
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0.000115 NA
0.00027 NA
0.000245 NA
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0.075789 NA
0.024 NA
0.00017 NA

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0.03775 NA
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0.000242 NA
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0.072176 NA
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0.000178 NA
0.00024 NA
0.015 NA
0.000203 NA
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0.002385 NA
0.000246 NA
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0.000122 NA
0.000295 NA

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0.00009 NA
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0.000215 NA
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0.0007 NA
0.000162 NA
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0.00014 NA
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0.000147 NA
0.007274 NA

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0.000788 NA
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0.00019 NA

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0.000254 NA
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0.008423 NA
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0.00017 NA
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0.000207 NA

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0.018625 NA
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0.00022 NA

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0.000145 NA
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0.000209 NA
0.000195 NA
0.03 NA
0.000206 NA
0.0205 NA
0.000133 NA
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0.00012 NA
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0.0002 NA
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0.000187 NA
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0.000107 NA
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0.000222 NA
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0.000143 NA

0.01165 NA
0.000096 NA
0.000227 NA
0.051333 NA
0.000121 NA
0.02 NA
0.000226 NA
0.00021 NA
0.065886 NA
0.000173 NA
0.000312 NA
0.000117 NA
0.0002 NA
0.00014 NA
0.00013 NA
0.025 NA
0.0119 NA
0.00695 NA
0.00039 NA
0.000125 NA
0.00026 NA
0.000226 NA
0.06 NA
0.000133 NA
0.00017 NA
0.033 NA
0.000174 NA
0.010056 NA
0.005488 NA
0.065 NA
0.000292 NA
0.000142 NA
0.00014 NA
0.00011 NA
0.00015 NA
0.026 NA
0.0116 NA
0.000112 NA
0.000241 NA
0.037 NA
0.000152 NA
0.0627 NA
0.000115 NA
0.00026 NA
0.000241 NA
0.016187 NA
0.0077 NA

0.0144 NA
0.026 NA
0.000103 NA
0.000135 NA
0.000124 NA
0.02425 NA
0.01125 NA
0.000159 NA
0.00019 NA
0.035 NA
0.000183 NA
0.066233 NA
0.000294 NA
0.000352 NA
0.244 NA
0.0152 NA
0.00905 NA
0.013193 NA
0.066153 NA
0.000143 NA
0.00013 NA
0.000112 NA
0.000135 NA
0.000171 NA
0.018706 NA
0.0114 NA
0.000107 NA
0.000234 NA
0.046856 NA
0.000148 NA
0.0003 NA
0.000285 NA
0.00026 NA
0.00013 NA
0.000168 NA
0.011606 NA
0.01035 NA
0.0672 NA
0.000145 NA
0.00014 NA
0.0001 NA
0.00016 NA
0.000135 NA
0.024 NA
0.000097 NA
0.000243 NA
0.06 NA

0.000098 NA
0.0001 NA
0.00012 NA
0.00027 NA
0.035 NA
0.000146 NA
0.24225 NA
0.0085 NA
0.072181 NA
0.025333 NA
0.00015 NA
0.000145 NA
0.000104 NA
0.00012 NA
0.000156 NA
0.025 NA
0.011822 NA
0.000111 NA
0.000208 NA
0.058066 NA
0.000633 NA
0.002263 NA
0.00027 NA
0.000273 NA
0.000265 NA
0.000147 NA
0.301 NA
0.009 NA
0.009813 NA
0.070957 NA
0.000213 NA
0.00016 NA
0.00017 NA
0.00017 NA
0.000125 NA
0.000141 NA
0.012558 NA
0.00041 NA
0.000101 NA
0.000258 NA
0.036 NA
0.000101 NA
0.00026 NA
0.000265 NA
0.000325 NA
0.000137 NA
0.010361 NA

0.06538 NA
0.00031 NA
0.00013 NA
0.000104 NA
0.026 NA
0.00019 NA
0.0265 NA
0.000127 NA
0.000233 NA
0.061 NA
0.00017 NA
0.00016 NA
0.062 NA
0.000183 NA
0.00013 NA
0.251 NA
0.0098 NA
0.0655 NA
0.00019 NA
0.00015 NA
0.000218 NA
0.00016 NA
0.026 NA
0.00013 NA
0.000198 NA
0.013033 NA
0.0001 NA
0.000528 NA
0.062 NA
0.00235 NA
0.000119 NA
0.000095 NA
0.00015 NA
0.00025 NA
0.010233 NA
0.065565 NA
0.025 NA
0.000138 NA
0.00013 NA
0.015 NA
0.000108 NA
0.00017 NA
0.000133 NA
0.014 NA
0.000128 NA
0.000341 NA
0.034 NA

0.037868 NA
0.00015 NA
0.000175 NA
0.00021 NA
0.00321 NA
0.06632 NA
0.025 NA
0.000145 NA
0.00015 NA
0.000105 NA
0.00018 NA
0.000135 NA
0.00424 NA
0.000132 NA
0.000242 NA
0.034 NA
0.000124 NA
0.00011 NA
0.000155 NA

Number of modifications at best bid and offer Average book depth at 3 price increments

[illegible]

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[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

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[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

Mean time elapsed (to the millisecond) between a market orde

0.364

0.218

0.14

0.575

0.3

0.21

0.585

0.037

0.3

1.093

0.13

0.81

0.338

0.6

0.13

0.04

0.081

0.19

0.039

0.681

0.419

0.045

0.113

0.11

0.122

0.075

0.345

0.347

0.345

0.23

0.1

0.12

0.26

0.372

0.298

0.635

0.365

0.112

0.256

0.086

0.28

0

0.04

0.19

0.166

1.19

0.308
0.177
1.2
1.38
0.081
0.18
0.1
0.14
0.15
0.035
0.273
0.457
0.15
0.12
0.123
1.097
0.04
0.037
0.11
0.217
0.12
1.2
0.26
0.622
0.25
1.17
0.91
0.083
0.235
0.06
0.122
0.443
0.198
0
0.27
0.194
0.153
0.314
0.14
0.241
0.38
0.17
0.191
1.21
0.259
0
0.175

1.65
0.197
0.07
0.323
0.22
0.336
0.07
0.146
0.4
0.06
0.2
0.249
0.19
0.51
0.26
0
0.23
0.14
0.23
0.245
0.177
0.129
0.48
0
0.185
0.53
0.27
0.363
0.507
0.408
0.15
0.321
1.14
0.17
0.509
0.14
0.335
0.24
0.663
0.22
0.625
0.38
0.561
0.303
0.56
0.2
0.419

0.186
0.08
0.432
0.16
0.324
0.145
0.132
0.2
0.55
0.251
0.293
0.396
0.18
0.852
0
0.125
0.19
0.17
0.287
0.43
0.14
0.183
1.6
0.965
0.256
0.19
0.105
0.832
0.06
0.21
0.09
0.185
0.271
0.24
0.12
4.885
0
0.173
0.14
0.455
0.275
1.025
0.21
0.33
0.22
0.084
1.2

1.677
0.349
0.063
0.24
0.553
0.196
0.09
0
0.298
0.04
0.246
0.328
0.16
0.269
0.405
0.17
0.194
0.225
0.056
0.27
0.105
0.17
0.21
0.458
0.2
0.3
0.06
0.209
0.04
0.093
0.252
0.07
0.253
0.185
0.188
0.29
0.127
0.485
0.166
0.2
0.41
0.302
0.193
1.507
0.23
0.092
0.85

0.21
0.115
0.25
0.06
0.216
4.795
0.413
0.175
0.06
0.246
0.255
0.158
0.17
0.425
0.21
0.242
1.71
0.258
0.197
0.367
0.15
0.16
0.193
0.197
0
0.08
0.166
0.04
0.17
0.136
0.13
0.431
0.14
0.36
0.61
1.106
0.946
1.18
0.16
0.105
0.18
0.427
0.19
0.409
0.236
0.1
0.487

0.465
0.626
0.585
0.491
0.175
0.168
0.681
0.126
0.155
0.2
0.84
0.05
0.45
0.241
0.02
0.312
0.368
0
1.42
1.011
5.91
0.17
0.176
0.442
0.2
0.284
0.652
0.374
0.483
0.1
0.423
0
0.145
0.2
0
0.288
0.345
0.317
0.327
0.591
0.449
1.19
2.8
0.784
0.205
0.692
0.405

0.23
0.18
2.06
0
0.16
0.659
0.518
0.322
0.408
0.94
0.292
0.23
0.143
3.566
0.491
0.038
1.17
0.337
0.19
0.168
0.086
0.34
0.303
0.587
0.558
0.281
0.617
1.2
0.256
0.43
0.15
0.115
0.263
0.356
0.032
0.03
0.492
0.15
0.433
0.17
0.168
0
0.15
0.19
0.202
0.573
0.254

1.3
0.29
0.367
0.383
0.17
1.26
0.11
0.314
0.147
0.318
0
1.18
0.246
0.633
0.468
0.13
1.755
0.13
0.44
0.688
0.04
0.04
0.189
0.88
0.381
0.12
0.286
0.281
0.16
0.385
0.37
0.384
1.04
0.355
0.088
0.07
0.205
0.559
0.11
0.353
0.04
0.373
0.5
0.223
0.505
0.135
0.035

0.04
0.665
1.162
0.335
0.13
0.414
0.618
0.21
0.04
0.3
0.13
0.483
0.34
0.168
0.495
0.03
0.754
0.15
1.15
0.18
0.15
0.17
0.11
0.19
0.464
0.52
0.561
0.508
0.07
0.401
0.392
0.162
0.12
0.465
0.5
0.385
0.033
0.405
0.059
0.384
0.741
0.523
0.593
0.23
0.46
0.19
1.18

0.695
0.673
0.15
0.155
0.628
0
0.17
0
0.393
0.61
0.799
0.283
1.12
0.24
0.233
0.397
2.523
0.235
0.04
0.645
0.407
0.316
0.234
0.15
0.646
0.195
0.2
0.205
0.415
0.177
0
0.106
0.288
0.453
0.393
0.331
0.614
0.125
0.27
0.738
0.34
0.463
0.58
0.594
0.942
0.621
0.21

0.13
0.478
0.26
0.14
0.877
0
0
0.437
1.411
0.65
0.59
0.03
0.16
1.81
0.206
0.695
0.24
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0.21
0.125
0.17
0.19
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0.26
0.74
0.18
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0.15
0.16
0.301
0.07
0.143
0.37
0
0.02
1.165
0.46
0.438
0.21
0.5
0.03
2.12
0.48
0.685
0.185
0.027

0
0.14
0.17
0.316
1.16
1.027
2.65
0.707
0
1.95
0.16
0.68
0.415
0.04
0.555
0.205
0.663
0.19
0.39
0.568
0.11
0.286
0.417
0.13
0.305
1.46
1.042
0.14
1.14
0.273
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0.633
0.477
0.747
0.671
0.12
0.358
0.11
0.741
0.72
0.17
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0.15
0.28
0.556
1.24

0.146
1.84
0
0.435
0.541
1.043
0.13
0.2
0.175
0.03
0.441
0.14
0.07
3.133
0.12
0.999
0.19
0.568
0.493
0.207
0.38
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0.322
0.135
0.103
0.21
0.468
0.03
0.14
0.19
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0.03
0.694
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0.66
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1.14
0.05
0.13
0.307
0.201
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0.445
0.18
0.17
0.499
0.17

1.89
0.27
0.201
0.09
0.361
0.9
0.19
0.054
0.22
0
0.312
0.989
1.24
0.326
0.17
0.4
0.18
0.908
0.395
0.821
0.215
0.056
0.452
0.657
0.16
0.1
0.078
0.47
0.305
0.385
0.259
0.41
0.176
0.25
0.392
0.22
0.609
0.462
0.1
0.327
0.82
0.238
0.916
0.173
0.074
0
0.455

0.14
0.471
0
0.135
1.18
0.035
0.331
0.14
0.215
1.17
0.88
0.03
0.217
0.237
1.568
0.556
0.685
0
0.34
0.5
0.432
0.352
0.477
0.19
0.485
0.17
4
0.038
0.76
0.04
0.17
0.455
0.453
0.245
0.048
0.186
0.1
0.038
0.828
0.479
0.477
0.458
0.12
0.22
0.29
0.21
0.235

0.032
0.18
0.27
0.453
0.223
0.042
0.26
0.04
0.075
0.245
0.507
0
0.579
0.925
0.55
0.571
1.16
0.34
0.78
0.032
0.542
0.596
0.054
0.075
3.56
0
0.261
0.215
0.43
0.2
0.685
0.217
0.19
0.77
0.13
0.15
0.3
0.052
0.281
0.18
0.446
0.392
0.045
0.245
0.51
1.015
0.336

0
0.04
0.555
1.276
0.192
0.2
0.453
1.2
1.884
0.682
0.18
0.07
0.917
0.05
0.365
0.688
0.633
0
0.245
0.24
0.125
0.498
0.19
0.89
2.71
0.071
0.161
0.172
0.183
0.039
0.268
0.305
0.13
0
0.184
2.72
0.215
0.369
0.306
0.27
0.608
0.186
0.537
0.21
0.393
0.35
0.654

0.452
0
0.12
0.364
0.302
0
0.452
0.413
0.136
0.03
0.294
0.836
0.095
0.21
0.52
0.418
0.315
0.068
0.491
0.341
0.18
2.31
0.546
0.131
5.06
0.506
0.235
0
1.723
0.514
0.583
0.13
0
0.407
0.32
0.516
0.2
0.647
0.245
0.106
1.22
0.344
0.505
0.28
0.12
0.294
0.17

0.2
0.165
0.277
1.08
0.465
0.12
0.443
0
0
0.466
0.64
0.25
0.19
0.175
0.17
0.7
0.02
0.344
0.795
0.656
0.71
0.49
0.176
0.413
0.162
0.446
0.24
0.72
0.115
0.15
1.17
0.433
0.456
0.316
0.2
1.26
0.06
0.492
0.12
0.06
0.312
1.2
0.16
0.53
0.215
0.533
0.423

0.497
0.273
0.218
0.724
0.539
0.337
0.283
0.438
0.162
2.24
0.635
0.605
0.1
0.382
0.45
0.513
1.725
0.55
0.175
0.485
0.666
0.05
0.496
0.392
1.35
0.536
0.222
0.65
0.383
0.095
0
0.375
0.055
0.27
0.835
2.295
0.266
0.15
0.2
0.416
0.61
1.85
0.23
0.462
0.087
1.927
0.16

0.238
0.732
0.47
0.293
0.123
0.192
0.782
0.12
1.4
0.078
0.408
0.5
0.16
0.2
0.324
0.592
0.21
1.27
0.13
0.344
0.26
0.381
0.13
0.406
0.63
0.12
0.16
0.357
0.685
0.474
0.127
0.106
1.29
0.377
0.13
0.443
1.15
0.175
0.52
0.178
0.275
0.4
0.334
0.57
0.705
0.373
0.303

0.61
0.327
0.151
0.503
0.466
0.13
0.471
3.16
0.524
0.606
0.322
0.12
0.387
0.13
1.277
0.3
1.065
0.29
0.03
0.617
0.41
0.562
0.16
0.483
0
0.326
2.228
0.581
0.503
0.23
0.995
0.214
0.14
2.01
0.442
0.035
2.08
0.242
0.425
8.72
1.011
0.15
0
1.19
0.532
0.275
0.5

0.035
0.04
0.68
0.205
0.455
0.035
0.125
0.164
0.335
0.48
0.141
0.69
0.366
0.647
0.03
0.034
0.04
0.483
0.456
1.126
2.633
0.217
0.165
0.263
0.866
0.15
0.214
0.532
0.374
0.526
1.25
0.822
0.145
0
0.49
0.629
0.422
0.103
0.205
0.27
0.13
0.13
0.476
1.15
0.488
0.652
0

0.564
0
8.98
1.15
0.85
0.466
0.04
1.588
0.574
0.046
0.186
0.59
0.625
0.2
0.688
0.645
0.46
0.384
0.571
0.477
0.09
0.328
0.21
0.351
0.377
0.49
0.03
0.1
0.419
0.522
0.53
0.615
0.822
0.58
0.49
0.551
0.71
0.29
0.208
0.148
0.185
0.47
0.263
0.06
0.309
0.852
0.179

0.228
0.447
0.5
0.384
0.04
0.315
0.435
0.508
0.576
0.165
0.464
0.2
0
0.886
0.04
0.05
0.14
0.308
0.16
0.705
0.505
1.18
0.33
1.2
0.446
0.42
0.465
0.66
0.08
0.12
0.445
7.14
0.24
0.31
0.06
0.58
0.04
0.472
0.28
0.27
0.233
0.66
0.348
0.31
0.295
0.175
0.2

1.043

0.22

0.247

0.16

0.19

0.409

0.05

0.775

0.07

0.615

0.185

0.501

1.27

0.498

0.412

3.61

0.485

0

0.255

Median time elapsed (to the millisecond) between a market orde

0.04
0.04
0.14
0.11
0.3
0.21
0.93
0.03
0.3
0.02
0.13
1.11
0.11
0.05
0.06
0.03
0
0.19
0.04
0.05
0.15
0.04
0.08
0.11
0.04
0.04
0.23
0.08
0.07
0.27
0.08
0.18
0.26
1.08
1.04
1.05
0.42
0.04
1.03
0.04
0.28
0
0.04
0.19
0.15
1.19

0.2
0.15
1.16
1.62
0.08
0.18
0.1
0.14
0.15
0.04
0.07
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0.17
0.43
0.04
0.04
0.26
0.04
0.12
1.2
0.04
0.18
0.25
1.17
0.12
0.05
0.28
0.04
0.03
0.08
1.21
0
0.27
0.29
0.02
1.65
0.07
0.17
0.1
0.17
0.03
1.21
1.08
0
0.12

0.16
0.03
0.02
1.16
0.22
0.15
0.07
0.14
0.14
0.06
0.22
0.08
0.19
1.23
0.13
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0.23
0.14
0.23
0.04
0.24
0.1
1.07
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0.04
0.53
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0.26
0.09
0.18
0.12
1.14
0.17
0.28
0.14
0.22
0.24
0.14
0.95
1.06
0.38
2.32
1.18
0.56
0.2
0.21

0.23
0.08
1.17
0.26
0.04
0.23
0.18
0.2
0.55
0.23
0.13
1.04
0.18
0.19
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0.15
0.19
0.19
0.14
0.43
0.14
0.24
0.17
0.32
0.15
0.16
0.09
0.06
0.07
0.21
0.09
0.13
0.51
0.24
0.12
9.57
0
0.19
0.14
0.12
0.3
0.21
0.21
2.23
0.17
0.04
1.2

0.1
0.07
0.13
0.39
0.25
0.26
0.09
0
0.12
0.04
1.51
0.04
0.18
0.11
0.25
0.17
0.29
0.26
0.04
0.21
0.1
0.17
0.18
1.09
0.2
0.3
0.07
0.17
0.04
0.04
0.03
0.07
0.14
0.21
0.13
0.3
0.11
0.09
0.21
0.04
0.41
0.36
0.28
4.193
0.34
0.03
0.18

0.21
0.06
0.25
0.06
0.26
0.2
1.08
0.05
0.06
0.15
0.24
0.06
0.21
0.28
0.21
0.23
0.09
0.03
0.26
0.21
0.15
0.16
0.27
0.05
0
0.11
0.23
0.04
0.17
0.12
0.13
0.79
0.14
0.23
0.07
1.106
0.39
1.11
0.14
0.03
0.18
0.19
0.19
0.04
0.06
0.1
0.16

0.31
0.22
0.14
0.85
0.14
0.16
0.31
0.17
0.11
0.2
0.17
0.04
0.09
1.15
0.03
0.04
1.03
0
1.42
0.12
5.91
0.17
0.18
0.61
0.17
0.04
0.49
0.24
0.1
0.14
0.18
0
0.15
0.2
0
0.13
0.11
0.03
0.12
0.05
0.11
1.19
2.8
1.51
0.87
0.59
0.14

0.15
0.13
0.04
0
0.18
0.09
1.66
0.05
0.19
1.08
0.06
0.23
0.08
9.67
0.13
0.03
1.17
0.26
0.19
0.08
0.02
0.26
0.04
6.25
1.21
0.03
0.04
1.2
0.35
0.28
0.15
0.18
0.59
1.15
0.03
0.03
0.95
0.15
0.06
0.17
0.03
0
0.15
0.19
0.09
1.1
0.08

1.3
0.03
0.02
0.07
0.13
1.26
0.04
0.2
0.14
0.19
0
1.18
0.1
0.38
0.03
0.13
0.17
0.13
0.8
0.13
0.04
0.04
0.06
0.03
0.03
0.12
0.21
0.12
0.16
1.07
1.08
0.13
1.04
0.04
0.18
0.09
0.2
0.74
0.11
0.21
0.04
0.17
0.3
0.19
1.26
0.07
0.03

0.04
0.35
0.56
0.07
0.13
0.12
1.03
0.21
0.04
0.3
0.13
0.23
0.34
0.14
0.67
0.03
0.31
0.16
1.15
0.24
0.15
0.17
0.03
0.19
0.09
1.26
0.01
1.04
0.15
0.06
0.54
0.71
0.14
0.24
0.26
0.22
0.03
0.24
0.03
0.17
0.02
0.03
0.12
0.23
0.32
0.19
1.18

1.21
3.08
0.15
0.09
0.15
0
0.17
0
0.14
0.61
0.1
0.16
0.13
0.3
0.47
2.77
1.44
0.16
0.04
1.15
1.23
0.12
0.19
0.1
0.07
0.26
0.2
0.18
1.2
0.03
0
0.07
0.03
1.91
0.06
1.07
0.15
0.13
0.22
0.17
0.35
1.08
1.24
1.14
1.9
0.25
0.16

0.07
0.03
0.17
0.14
0.03
0
0
0.17
0.02
0.06
0.98
0.03
0.16
1.21
0.39
1.2
0.24
1.41
0.12
0.15
0.17
0.19
1.13
0.15
0.26
0.18
0.18
0.19
0.11
0.12
0.08
0.03
1.04
0.37
0
0.02
1.17
0.46
0.08
0.21
0.17
0.03
2.12
1.39
1.13
0.16
0.03

0
0.14
0.17
0.18
1.16
5.68
1.21
0.47
0
5.34
0.16
1.19
0.22
0.05
0.16
0.15
1.81
0.19
0.04
0.09
0.07
1.03
0.03
0.13
0.48
2.16
0.08
0.09
1.14
0.2
0.03
0.29
0.32
2.75
0.2
0.16
0.05
0.11
1.23
1.25
0.17
0.11
0.03
0.15
0.1
0.11
1.24

0.14
0.14
0
0.07
0.05
1.043
0.13
0.27
0.15
0.03
0.03
0.15
0.07
4.18
0.2
0.03
0.19
0.87
0.29
1.06
0.03
0.2
0.14
0.19
0.04
0.21
0.21
0.03
0.14
0.19
0.12
0.03
0.03
0.18
0.16
0.14
1.14
0.05
1.11
0.24
0.01
1.05
1.86
0.18
0.17
0.14
0.17

1.89
0.27
0.35
0.03
0.24
1.22
0.14
0.03
0.22
0
0.09
0.06
0.02
1.22
0.17
0.61
0.18
0.07
0.17
6.17
0.25
0.09
0.06
1.22
0.16
0.1
0.17
0.16
0.03
0.08
0.08
0.15
0.14
0.25
0.31
0.22
0.4
0.15
0.03
0.22
1.03
0.43
0.16
0.11
0.03
0
2.19

0.14
0.08
0
0.15
1.18
0.03
0.08
0.14
0.34
1.17
1.17
0.02
0.03
0.22
1.48
0.31
0.03
0
0.34
0.5
0.06
0.29
0.12
0.19
0.13
0.17
0.34
0.04
0.22
0.04
0.17
0.22
1.2
0.21
0.02
0.21
0.1
0.03
0.27
3
1.03
1.04
0.12
0.15
0.29
0.21
0.24

0.03
0.11
0.05
1.07
0.12
0.09
0.26
0.05
0.2
0.04
0.08
0
0.11
1.17
0.85
0.07
1.16
0.34
0.34
0.03
4.55
0.12
0.03
1.14
3.56
0
0.04
0.31
0.14
0.2
1.14
0.3
0.19
1.41
0.13
0.15
0.3
0.03
1.64
0.14
0.99
0.19
0.04
0.05
0.03
0.91
0.05

0
0.04
1.1
1.26
0.13
0.2
0.05
1.2
0.04
0.04
0.22
0.07
0.04
0.05
0.02
0.05
1.13
0
0.12
0.24
0.06
0.04
0.19
1.18
2.71
0.03
0.03
0.11
0.28
0.06
0.07
0.19
0.06
0
0.03
1.23
0.31
0.03
0.26
0.27
0.21
0.03
3
0.21
0.05
0.13
1.29

1.13
0
0.12
0.1
0.09
0
0.14
0.68
0.17
0.03
0.04
0.05
0.02
0.21
0.52
0.16
0.36
0.26
1.06
0.03
0.24
0.21
0.83
0.05
5.06
0.17
0.14
0
0.03
0.1
1.12
0.13
0
0.02
0.47
0.12
0.2
0.16
0.22
0.03
1.22
0.03
0.21
0.28
0.12
0.07
0.17

0.2
0.16
0.05
1.08
1.06
0.12
1.11
0
0
0.13
2.03
0.16
0.19
0.14
0.17
1.08
0.02
0.03
1.16
0.17
0.24
0.49
0.42
1.08
1.03
0.43
0.24
0.26
0.06
0.15
1.17
0.98
0.52
0.14
0.2
1.26
0.06
0.09
0.12
0.06
0.15
1.24
0.14
0.61
0.2
0.31
0.22

0.08
0.21
0.24
1.23
1.23
0.21
0.03
0.17
0.15
6.41
1.04
0.17
0.1
0.21
0.35
0.2
1.22
1.32
0.15
0.22
0.01
0.04
0.16
0.15
0.09
0.33
0.08
0.26
0.1
0.03
0
0.37
0.03
1.15
1.05
0.34
0.47
0.15
0.2
1
0.43
1.85
0.23
0.01
0.03
1.25
0.16

0.04
5.76
0.47
0.07
0.09
0.32
0.48
0.12
1.4
0.12
0.08
1.18
0.16
0.2
0.02
0.05
0.21
1.27
0.13
0.04
0.26
0.21
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0.03
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0.16
0.03
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0.06
0.06
0.03
1.29
0.13
0.07
0.12
1.15
0.15
0.11
0.13
0.2
0.01
1.05
0.29
0.25
0.05
0.54

1.03
1.05
0.12
0.39
1.26
0.13
0.03
3.16
0.84
1.11
0.06
0.12
0.04
0.13
0.41
0.03
1.09
0.29
0.03
0.02
0.41
1.16
0.16
1.11
0
0.74
0.03
0.04
1.04
0.23
1.31
0.59
0.14
2.01
0.13
0.04
3.95
1.03
0.12
8.72
9.6
0.15
0
1.19
0.02
0.05
0.5

0.05
0.04
0.09
0.24
0.04
0.03
0.14
0.04
0.43
0.48
0.04
0.24
0.03
0.04
0.03
0.02
0.03
0.05
0.11
0.25
4.996
0.45
0.2
0.18
1.19
0.15
1.06
1.19
0.92
0.153
1.25
0.29
0.15
0
0.74
0.03
1.3
0.06
0.17
0.27
0.18
0.13
0.24
1.15
0.03
1.05
0

0.31
0
8.98
1.15
0.85
0.08
0.04
1.23
0.02
0.05
0.12
0.14
0.14
0.2
5.74
1.08
1.36
0.13
0.17
0.04
0.04
0.1
0.21
0.08
0.2
0.07
0.03
0.1
0.04
0.08
1.18
0.09
1.03
0.82
0.22
0.07
0.23
0.29
0.04
0.13
0.2
0.14
0.263
0.05
0.14
0.3
0.18

1.25
1.18
0.5
0.1
0.04
0.16
0.68
0.05
0.39
0.27
0.08
0.2
0
0.41
0.04
0.05
0.33
0.05
0.16
1.19
1.06
1.18
0.33
1.2
1.79
0.03
0.15
0.19
0.1
0.12
0.03
8.16
0.24
0.31
0.03
0.3
0.04
0.23
0.28
0.27
0.05
1.17
1.2
0.31
1.2
0.16
0.2

1.21
0.22
0.01
0.16
0.19
0.18
0.05
1.34
0.07
1.22
0.15
1.32
1.27
0.56
0.78
3.61
0.31
0
0.02

Average speed of execution for unmodified passive orders at best bid and offer

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

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[illegible][illegible]

Number of transactions executed on the trading venue that are Large in Scale

NA

NA

NA

NA

NA

NA

NA

NA

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NA

NA

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Value of transactions executed on the trading venue that are Large in Scale

NA

NA

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Number of transactions that were executed on the trading venue pursuant to Article 4 or 9 of MiFII

NA

NA

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NA

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[illegible]

[illegible]

[illegible]

[illegible]

Value of transactions that were executed on the trading venue pursuant to Article 4 or 9 of MiFII

NA

NA

NA

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For continuous quote venues, number of periods during which no quotes were provide

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NA

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NA

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For continuous quote venues, average duration of periods during which no quotes were provide

NA

NA

NA

NA

NA

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Average quote presence

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