

Order Routing Data October -December 2015

| | Total | Market | Limit | Other |
|-----------------------------------|--------------|---------------|--------------|--------------|
| NYSE | 100 | 55.3 | 44.2 | 0.5 |
| CITADEL DERIVATIVES GROUP | 55.6 | 83.8 | 20.9 | 0 |
| BNY MELLON CAPITAL MARKETS, LLC | 11.2 | 13.3 | 8 | 66.7 |
| EDGX EXCHANGE | 10.1 | 0 | 22.7 | 0 |
| NASDAQ EXCHANGE | 9 | 0 | 20.4 | 0 |
| NYSE ARCA EXCHANGE | 8.6 | 0 | 19.4 | 0 |
| BNY CONVERGEX | 2.8 | 0 | 6.3 | 0 |
| NEW YORK STOCK EXCHANGE | 0.7 | 1.3 | 0 | 0 |
| UBS SECURITIES | 0.7 | 0.5 | 0.7 | 33.3 |
| KCG AMERICAS LLC | 0.7 | 0.4 | 1 | 0 |
| AUTOMATED TRADE DESK | 0.4 | 0.4 | 0.5 | 0 |
| NASDAQ | 100 | 68.5 | 31.5 | 0 |
| CITADEL DERIVATIVES GROUP | 66.8 | 92.6 | 10.7 | 0 |
| BNY MELLON CAPITAL MARKETS, LLC | 7.9 | 6.4 | 11.1 | 100 |
| EDGX EXCHANGE | 7.4 | 0 | 23.5 | 0 |
| NASDAQ EXCHANGE | 7.1 | 0 | 22.6 | 0 |
| NYSE ARCA EXCHANGE | 6.9 | 0 | 21.9 | 0 |
| BNY CONVERGEX | 2.6 | 0 | 8.4 | 0 |
| KCG AMERICAS LLC | 0.4 | 0.3 | 0.6 | 0 |
| TWO SIGMA SECURITIES | 0.2 | 0.2 | 0.4 | 0 |
| UBS SECURITIES | 0.2 | 0.2 | 0.3 | 0 |
| AUTOMATED TRADE DESK | 0.2 | 0.2 | 0.2 | 0 |
| NASDAQ | 100 | 40.3 | 59.7 | 0 |
| BNY MELLON CAPITAL MARKETS, LLC | 58 | 66.7 | 52.1 | 0 |
| CITADEL DERIVATIVES GROUP | 16 | 31.3 | 5.6 | 0 |
| AUTOMATED TRADE DESK | 10.9 | 0 | 18.3 | 0 |
| KCG AMERICAS LLC | 7.6 | 2.1 | 11.3 | 0 |
| UBS SECURITIES | 6.7 | 0 | 11.3 | 0 |
| TWO SIGMA SECURITIES | 0.8 | 0 | 1.4 | 0 |
| OPTIONS | 100 | 0 | 100 | 0 |
| NYSE ARCA EXCHANGE | 24.1 | 0 | 24.1 | 0 |
| BATS EXCHANGE | 20.7 | 0 | 20.7 | 0 |
| NASDAQ EXCHANGE | 13.1 | 0 | 13.1 | 0 |
| NASDAQ OMX PHLX | 12.5 | 0 | 12.5 | 0 |
| MIAX OPTIONS EXCHANGE | 9.7 | 0 | 9.7 | 0 |
| CHICAGO BOARD OPTIONS EXCHANGE | 8.1 | 0 | 8.1 | 0 |
| BOSTON OPTION EXCHANGE | 5.8 | 0 | 5.8 | 0 |
| NYSE MKT EXCHANGE | 2.7 | 0 | 2.7 | 0 |
| ISE GEMINI EXCHANGE | 2.5 | 0 | 2.5 | 0 |
| INTERNATIONAL SECURITIES EXCHANGE | 0.4 | 0 | 0.4 | 0 |

Excludes data re orders routed to Instinet at clients' instruction.