National Financial Services (NFS), our clearing firm, has prepared this report for UnionBanc Investment Services LLC (UBIS) pursuant to U.S Securities and Exchange Commission Rule 606 which requires broker-dealer firms to make publicly available quarterly reports on their routing practices. This report provides information on the routing of "non-directed orders," which are any orders that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders, UBIS transmits all customer orders to Order Route any orders to any venues.

UBIS does not receive payment for order flow. Furthermore, UBIS does not have any material relationships with any of the venues identified below.

The report is divided into the following four sections: (1) Securities listed on the New York Stock Exchange; (2) Securities listed on the NASDAQ Stock Market; (3) Securities listed on NYSE, Amex or Regional Exchanges; and (4) Exchange listed options. For each section, this report identifies the venues most often selected by NFS and sets forth the percentage of various types of orders routed to the venues.

UNIONBANC INVESTMENT SERVICES - Held NMS Stocks and Options Order Routing Public Report

Generated on Thu Oct 14 2021 09:05:56 GMT-4 EDT

3rd Quarter, 2021

July 2021

S&P 500 Stocks Summary

| Summar | у | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------------------------------|---------|---------------------------|---|------------------|---|--|--|-----------------------------------|---|--------------------|--|---|--|---|--|---|---|---|--|
| Total Non-Dir Orders | ected Non-Dir Orders a All Or | as % of | Total Market Orders | Market Orders as % of Non-Directed Orders | | Marketable Limit Orders as % of Non Directed Orders | Total Non- - Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | | |
| 1,416 | 100. | 0.00 | 1,195 | 84.39 | 23 | 1.62 | 136 | 9.60 | 62 | 4.38 | | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | | | |
| Venue - No directed Orde | | | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | | |
| Citadel Secu LLC (CDR | hu | 95 | 43.30 | 627 | 52.42 | 9 | 37.50 | 29 | 9.21 | 30 | 42.86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| VIRTU Amei LLC (NITI | 34 | 45 | 21.50 | 301 | 25.17 | 9 | 37.50 | 16 | 5.08 | 19 | 27.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| JANE STRE CAPITAL, LLC | 1/ | 77 | 11.03 | 162 | 13.55 | 5 | 20.83 | 10 | 3.17 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| New York S Exchange (N | 1 / | 21 | 7.54 | 0 | 0.00 | 0 | 0.00 | 121 | 38.41 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| NASDAQ Exe Services, I (NSDQ) | .LC 11 | 16 | 7.23 | 0 | 0.00 | 1 | 4.17 | 115 | 36.51 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Two Sigm Securitie LLC(SOHO | s, 43 | 13 | 2.68 | 42 | 3.51 | 0 | 0.00 | 1 | 0.32 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| G1 Execut Services, I (ETMM) | LC 40 | 10 | 2.49 | 38 | 3.18 | 0 | 0.00 | 2 | 0.63 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| UBS Securitie (UBSS) | | 39 | 2.43 | 26 | 2.17 | 0 | 0.00 | 0 | 0.00 | 13 | 18.57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Cboe EDGX Equities Exch (EDGX) | ange 21 | 21 | 1.31 | 0 | 0.00 | 0 | 0.00 | 21 | 6.67 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Instinet Block | Cross | 0 | 0.50 | 2 | 0.00 | • | 0.00 | • | 0.00 | 0 | 44.43 | 2 | 2 | 0 | 0 | 0 | | 0 | | |

11.43

0.00

July 2021

Non-S&P 500 Stocks

Summary

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | I OTAL MIARVATANIA | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|---|--|---------------------------|---|--------------------|--|------------------------------------|--|-----------------------------------|---|--------------------|---|---|--|---|--|---|---|--|
| 2,274 | 100.00 | 1,818 | 79.95 | 129 | 5.67 | 265 | 11.65 | 62 | 2.73 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Securities LLC (CDRG) | 1,023 | 38.27 | 894 | 49.15 | 68 | 50.75 | 31 | 5.22 | 30 | 23.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRTU Americas, LLC (NITE) | 569 | 21.29 | 504 | 27.71 | 27 | 20.15 | 18 | 3.03 | 20 | 15.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JANE STREET CAPITAL, LLC (JNST) | 301 | 11.26 | 266 | 14.62 | 19 | 14.18 | 16 | 2.69 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NASDAQ Execution Services, LLC (NSDQ) | 198 | 7.41 | 0 | 0.00 | 3 | 2.24 | 195 | 32.83 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York Stock Exchange (NYSE) | 163 | 6.10 | 0 | 0.00 | 3 | 2.24 | 160 | 26.94 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cboe EDGX US Equities Exchange (EDGX) | 102 | 3.82 | 0 | 0.00 | 0 | 0.00 | 102 | 17.17 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Two Sigma Securities, LLC (SOHO) | 81 | 3.03 | 71 | 3.90 | 6 | 4.48 | 4 | 0.67 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NYSE Arca (ARCA) | 64 | 2.39 | 0 | 0.00 | 2 | 1.49 | 62 | 10.44 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instinet BlockCross (BLKX) | 64 | 2.39 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 64 | 50.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UBS Securities, LLC (UBSS) | 55 | 2.06 | 37 | 2.03 | 4 | 2.99 | 2 | 0.34 | 12 | 9.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

July 2021

Option Contracts
Summary

(MSCO)

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | | Marketable Limit Orders as % of Non- Directed Orders | Total Non- | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|--|--|---------------------------|---|------------------|--|-------------------------------|--|-----------------------------------|---|--------------------|---|---|---|---|---|---|---|--|
| 97 | 100.00 | 49 | 50.52 | 4 | 4.12 | 44 | 45.36 | 0 | 0.00 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Securities LLC (CDRG) | 83 | 57.24 | 27 | 55.10 | 2 | 50.00 | 54 | 58.70 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Susquehanna Capital Group (SUSQ) | 29 | 20.00 | 16 | 32.65 | 0 | 0.00 | 13 | 14.13 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wolverine Execution Services LLC (WEXX) | 20 | 13.79 | 2 | 4.08 | 1 | 25.00 | 17 | 18.48 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dash Financial Technologies LLC (DASH) | 10 | 6.90 | 4 | 8.16 | 1 | 25.00 | 5 | 5.43 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morgan Stanley & Company LLC | 3 | 2.07 | 0 | 0.00 | 0 | 0.00 | 3 | 3.26 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

August 2021

S&P 500 Stocks Summary

| I OTAL NON-DIFECTED | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | Total Marketable Limit Orders | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|---|--|---------------------------|---|----------------------------------|--|--|--|-----------------------------------|---|--------------------|---|---|--|---|---|---|---|---|
| 1,442 | 100.00 | 1,242 | 86.13 | 12 | 0.83 | 117 | 8.11 | 71 | 4.92 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | |
| Citadel Securities LLC (CDRG) | 671 | 41.17 | 599 | 48.23 | 6 | 50.00 | 24 | 8.05 | 42 | 53.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRTU Americas, LLC (NITE) | 367 | 22.52 | 334 | 26.89 | 3 | 25.00 | 13 | 4.36 | 17 | 21.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JANE STREET CAPITAL, LLC (JNST) | 221 | 13.56 | 210 | 16.91 | 3 | 25.00 | 8 | 2.68 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NASDAQ Execution Services, LLC (NSDQ) | 119 | 7.30 | 0 | 0.00 | 0 | 0.00 | 119 | 39.93 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York Stock Exchange (NYSE) | 98 | 6.01 | 0 | 0.00 | 0 | 0.00 | 98 | 32.89 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Two Sigma Securities, LLC (SOHO) | 49 | 3.01 | 47 | 3.78 | 0 | 0.00 | 2 | 0.67 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UBS Securities, LLC (UBSS) | 34 | 2.09 | 21 | 1.69 | 0 | 0.00 | 1 | 0.34 | 12 | 15.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cboe EDGX US Equities Exchange (EDGX) | 33 | 2.02 | 0 | 0.00 | 0 | 0.00 | 33 | 11.07 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G1 Execution Services, LLC (ETMM) | 31 | 1.90 | 31 | 2.50 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instinet BlockCross (BLKX) | 7 | 0.43 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 7 | 8.97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

August 2021

Non-S&P 500 Stocks

Summary

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | Total Marketable Limit Orders | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|---|--|---------------------------|---|----------------------------------|--|--|--|-----------------------------------|---|--------------------|--|---|--|---|--|---|---|--|
| 2,652 | 100.00 | 2,153 | 81.18 | 154 | 5.81 | 279 | 10.52 | 66 | 2.49 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Securities LLC (CDRG) | 1,216 | 38.79 | 1,049 | 48.70 | 66 | 43.14 | 51 | 7.13 | 50 | 44.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRTU Americas, LLC (NITE) | 665 | 21.21 | 593 | 27.53 | 43 | 28.10 | 13 | 1.82 | 16 | 14.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JANE STREET CAPITAL, LLC (JNST) | 388 | 12.38 | 349 | 16.20 | 27 | 17.65 | 12 | 1.68 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NASDAQ Execution Services, LLC (NSDQ) | 287 | 9.15 | 0 | 0.00 | 1 | 0.65 | 286 | 40.00 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York Stock Exchange (NYSE) | 139 | 4.43 | 0 | 0.00 | 0 | 0.00 | 139 | 19.44 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cboe EDGX US Equities Exchange (EDGX) | 109 | 3.48 | 0 | 0.00 | 0 | 0.00 | 109 | 15.24 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NYSE Arca(ARCA) | 97 | 3.09 | 0 | 0.00 | 1 | 0.65 | 96 | 13.43 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Two Sigma Securities, LLC (SOHO) | 84 | 2.68 | 75 | 3.48 | 7 | 4.58 | 2 | 0.28 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G1 Execution Services, LLC (ETMM) | 65 | 2.07 | 55 | 2.55 | 5 | 3.27 | 5 | 0.70 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instinet BlockCross (BLKX) | 47 | 1.50 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 47 | 41.59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

August 2021

Option Contracts Summary

| Total Non- Orde | | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | Total Marketable Limit Orders | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|------------------------------|----------|--|---------------------------|---|----------------------------------|--|--|--|-----------------------------------|---|--------------------|---|---|--|---|---|---|---|--|
| 10 |)4 | 100.00 | 52 | 50.00 | 6 | 5.77 | 46 | 44.23 | 0 | 0.00 | | | | | | | | | |
| Venu | ues | | | | | | | | | | | | | | | | | | |
| Venue - directed O | | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Se LLC (CI | | 63 | 45.32 | 22 | 42.31 | 4 | 57.14 | 37 | 46.25 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Susquel Capital (SUS | Group | 39 | 28.06 | 20 | 38.46 | 1 | 14.29 | 18 | 22.50 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wolve Execution LLC (W | Services | 17 | 12.23 | 2 | 3.85 | 0 | 0.00 | 15 | 18.75 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dash Fir Technolo (DAS | gies LLC | 11 | 7.91 | 7 | 13.46 | 1 | 14.29 | 3 | 3.75 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morgan Si Compai (MSC | ny LLC | 9 | 6.47 | 1 | 1.92 | 1 | 14.29 | 7 | 8.75 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

September 2021

S&P 500 Stocks Summary

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | Total Marketable Limit Orders | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders |
|------------------------------|--|------------------------|---|----------------------------------|--|--|--|--------------------|---|
| 1,550 | 100.00 | 1,268 | 81.81 | 33 | 2.13 | 173 | 11.16 | 76 | 4.90 |
| Venues | | | | | | | | | |

| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | | Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---|------------------------|---------------------------|---------------|------------------|----------------------------|-------------------------------|--------------------------------|-----------------------------------|--------------|--------------------|---|---|---|---|--|---|-------------------|--|
| Citadel Securities LLC(CDRG) | 703 | 37.94 | 621 | 48.97 | 15 | 44.12 | 38 | 8.05 | 29 | 36.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRTU Americas, LLC (NITE) | 405 | 21.86 | 346 | 27.29 | 11 | 32.35 | 19 | 4.03 | 29 | 36.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JANE STREET CAPITAL, LLC (JNST) | 213 | 11.49 | 200 | 15.77 | 4 | 11.76 | 9 | 1.91 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NASDAQ Execution Services, LLC (NSDQ) | 204 | 11.01 | 0 | 0.00 | 0 | 0.00 | 204 | 43.22 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York Stock Exchange (NYSE) | 141 | 7.61 | 0 | 0.00 | 1 | 2.94 | 140 | 29.66 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cboe EDGX US Equities Exchange (EDGX) | 56 | 3.02 | 0 | 0.00 | 0 | 0.00 | 56 | 11.86 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Two Sigma Securities, LLC(SOHO) | 54 | 2.91 | 53 | 4.18 | 0 | 0.00 | 1 | 0.21 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G1 Execution Services, LLC (ETMM) | 39 | 2.10 | 35 | 2.76 | 1 | 2.94 | 3 | 0.64 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UBS Securities, LLC (UBSS) | 35 | 1.89 | 13 | 1.03 | 2 | 5.88 | 2 | 0.42 | 18 | 22.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instinet BlockCross (BLKX) | 3 | 0.16 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 3 | 3.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

September 2021

Non-S&P 500 Stocks

Summary

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | I ATSI WISTVATSHIA | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|---|--|---------------------------|---|--------------------|--|--|--|-----------------------------------|---|--------------------|--|---|--|---|--|---|---|--|
| 3,263 | 100.00 | 2,793 | 85.60 | 99 | 3.03 | 313 | 9.59 | 58 | 1.78 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Securities LLC (CDRG) | 1,539 | 41.28 | 1,385 | 49.57 | 48 | 47.52 | 67 | 9.13 | 39 | 39.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRTU Americas, LLC (NITE) | 810 | 21.73 | 746 | 26.70 | 24 | 23.76 | 27 | 3.68 | 13 | 13.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JANE STREET CAPITAL, LLC(JNST) | 488 | 13.09 | 461 | 16.50 | 16 | 15.84 | 11 | 1.50 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NASDAQ Execution Services, LLC (NSDQ) | 292 | 7.83 | 1 | 0.04 | 4 | 3.96 | 287 | 39.10 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York Stock Exchange (NYSE) | 133 | 3.57 | 0 | 0.00 | 2 | 1.98 | 131 | 17.85 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cboe EDGX US Equities Exchange (EDGX) | 126 | 3.38 | 0 | 0.00 | 0 | 0.00 | 126 | 17.17 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Two Sigma Securities, LLC (SOHO) | 93 | 2.49 | 83 | 2.97 | 4 | 3.96 | 6 | 0.82 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G1 Execution Services, LLC (ETMM) | 90 | 2.41 | 88 | 3.15 | 1 | 0.99 | 1 | 0.14 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NYSE Arca (ARCA) | 69 | 1.85 | 0 | 0.00 | 1 | 0.99 | 68 | 9.26 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instinet BlockCross (BLKX) | 41 | 1.10 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 41 | 41.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

September 2021

Option Contracts
Summary

| Total Non-Directed Orders | Non-Directed Orders as % of All Orders | Total Market Orders | Market Orders as % of Non-Directed Orders | I OTAL MARKATANIA | Marketable Limit Orders as % of Non- Directed Orders | Total Non- Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Total Other Orders | Other Orders as % of Non- Directed Orders | | | | | | | | | |
|---|--|---------------------------|---|-------------------|--|--|--|-----------------------------------|---|--------------------|--|---|--|---|--|---|---|--|
| 64 | 100.00 | 36 | 56.25 | 0 | 0.00 | 28 | 43.75 | 0 | 0.00 | | | | | | | | | |
| Venues | | | | | | | | | | | | | | | | | | |
| Venue - Non- directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) | Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders | Non-Marketable Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
| Citadel Securities LLC (CDRG) | 34 | 40.00 | 18 | 50.00 | 0 | 0.00 | 16 | 32.65 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Susquehanna Capital Group (SUSQ) | 24 | 28.24 | 14 | 38.89 | 0 | 0.00 | 10 | 20.41 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dash Financial Technologies LLC (DASH) | 11 | 12.94 | 2 | 5.56 | 0 | 0.00 | 9 | 18.37 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wolverine Execution Services LLC (WEXX) | 10 | 11.76 | 0 | 0.00 | 0 | 0.00 | 10 | 20.41 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morgan Stanley & Company LLC (MSCO) | 6 | 7.06 | 2 | 5.56 | 0 | 0.00 | 4 | 8.16 | 0 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |