

# DEMPSEY LORD SMITH, LLC - Held NMS Stocks and Options Order Routing Public Report

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3rd Quarter, 2020

July 2020

## S&P 500 Stocks

### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 73.85                                     | 3.08  | 22.56   | 0.51                                     |

### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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) |
|---------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| New York Stock Exchange (NYSE)        | 35.67                   | 0.00              | 16.67                       | 68.10                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Citadel Securities LLC (CDRG)         | 30.25                   | 52.78             | 50.00                       | 9.20                            | 100.00           | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 22.61                   | 39.58             | 16.67                       | 7.98                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 6.05                    | 0.00              | 0.00                        | 11.66                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC (JNST)       | 1.59                    | 3.47              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Two Sigma Securities, LLC (SOHO)      | 1.27                    | 1.39              | 0.00                        | 1.23                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange (EDGX) | 0.96                    | 0.00              | 0.00                        | 1.84                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM)     | 0.96                    | 1.39              | 16.67                       | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| UBS Securities, LLC (UBSS)            | 0.64                    | 1.39              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

**Material Aspects:**

New York Stock Exchange (NYSE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

VIRTU Americas LLC (NITE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NASDAQ Execution Services, LLC (NSDQ):

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UBS Securities, LLC (UBSS):

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**July 2020**

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**Non-S&P 500 Stocks****Summary**

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 63.72                                     | 3.49  | 32.33   | 0.47                                     |

**Venues**

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)         | 27.45                   | 51.46             | 50.00                       | 5.33                            | 66.67            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 21.41                   | 37.96             | 31.25                       | 6.90                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 14.22                   | 0.00              | 12.50                       | 26.65                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NYSE Arca (ARCA)                      | 14.05                   | 0.00              | 0.00                        | 26.96                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange        | 13.73                   | 0.00              | 0.00                        | 26.33                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| (EDGX)                            |                         |                   |                             |                                 |                  |  |   |  |   |  |   |   |  |
| Cboe BZX U.S (BATS)               | 2.45                    | 0.00              | 0.00                        | 4.70                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC (JNST)   | 2.45                    | 5.47              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM) | 1.31                    | 2.55              | 0.00                        | 0.31                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| New York Stock Exchange (NYSE)    | 1.14                    | 0.00              | 0.00                        | 2.19                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Two Sigma Securities, LLC (SOHO)  | 0.98                    | 2.19              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

**Material Aspects:**

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

VIRTU Americas LLC (NITE):

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NASDAQ Execution Services, LLC (NSDQ):

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NYSE Arca (ARCA):

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**July 2020**

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**Options**

**Summary**

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 9.46                                      | 2.40  | 87.02   | 1.12                                     |

#### Venues

| Venue - Non-directed Order Flow         | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)           | 42.68                   | 38.98             | 60.00                       | 43.52                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Wolverine Execution Services LLC (WEXX) | 20.80                   | 1.69              | 0.00                        | 23.80                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Susquehanna Capital Group (SUSQ)        | 14.18                   | 37.29             | 20.00                       | 10.83                           | 50.00            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Dash Financial Technologies LLC (DASH)  | 11.86                   | 10.17             | 6.67                        | 12.43                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Morgan Stanley & Company LLC (MSCO)     | 5.08                    | 8.47              | 13.33                       | 3.73                            | 41.67            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Citigroup Global Markets, Inc. (KEXP)   | 4.93                    | 3.39              | 0.00                        | 5.15                            | 8.33             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Citigroup Global Markets, Inc. (CITI)   | 0.46                    | 0.00              | 0.00                        | 0.53                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

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Wolverine Execution Services LLC (WEXX):

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Susquehanna Capital Group (SUSQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Dash Financial Technologies LLC (DASH):

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Morgan Stanley & Company LLC (MSCO):

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Citigroup Global Markets, Inc. (KEXP):

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Citigroup Global Markets, Inc. (CITI):

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## August 2020

### S&P 500 Stocks

## Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 77.36                                     | 2.01  | 18.91   | 1.72                                     |

## Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)         | 33.74                   | 52.22             | 57.14                       | 8.61                            | 44.44            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| New York Stock Exchange (NYSE)        | 24.24                   | 0.00              | 14.29                       | 56.94                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 21.41                   | 36.30             | 14.29                       | 2.39                            | 22.22            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 9.90                    | 0.00              | 0.00                        | 23.44                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM)     | 2.63                    | 4.44              | 0.00                        | 0.48                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC (JNST)       | 2.63                    | 4.81              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe BZX U.S (BATS)                   | 1.82                    | 0.00              | 0.00                        | 4.31                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Two Sigma Securities, LLC (SOHO)      | 1.62                    | 1.85              | 14.29                       | 0.96                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange (EDGX) | 1.21                    | 0.00              | 0.00                        | 2.87                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Instinet BlockCross (BLKX)            | 0.61                    | 0.00              | 0.00                        | 0.00                            | 33.33            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

## Material Aspects:

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Instinet BlockCross (BLKX):

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## August 2020

### Non-S&P 500 Stocks

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 67.47                                     | 5.93  | 24.84   | 1.76                                     |

#### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)         | 28.70                   | 55.82             | 56.76                       | 3.90                            | 46.67            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 16.94                   | 33.02             | 35.14                       | 2.73                            | 6.67             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NYSE Arca (ARCA)                      | 11.87                   | 0.00              | 0.00                        | 22.81                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange (EDGX) | 10.04                   | 0.00              | 0.00                        | 19.30                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 9.94                    | 0.00              | 0.00                        | 19.10                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| New York Stock Exchange (NYSE)        | 5.78                    | 0.00              | 0.00                        | 11.11                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM)     | 2.23                    | 4.04              | 5.41                        | 0.58                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC              | 2.23                    | 4.75              | 0.00                        | 0.39                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

| Venue - Non-directed Order Flow           | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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) |
|---|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| (JNST)                                    |                         |                   |                             |                                 |                  |  |   |  |   |  |   |   |  |
| Cboe BZX U.S (BATS)                       | 1.72                    | 0.00              | 0.00                        | 3.31                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Credit Suisse Securities (USA) LLC (FBCO) | 1.22                    | 0.00              | 0.00                        | 2.34                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

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Credit Suisse Securities (USA) LLC (FBCO):

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**August 2020**

**Options**

**Summary**

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|--|---|---|---|--|
| 100.00                                 | 7.02                                      | 2.34  | 87.13   | 3.51                                     |

**Venues**

| Venue - Non-directed Order Flow         | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)           | 46.02                   | 44.44             | 50.00                       | 47.66                           | 5.56             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Susquehanna Capital Group (SUSQ)        | 17.48                   | 33.33             | 25.00                       | 13.14                           | 88.89            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Wolverine Execution Services LLC (WEXX) | 16.89                   | 0.00              | 0.00                        | 19.38                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Dash Financial Technologies LLC (DASH)  | 12.43                   | 19.44             | 16.67                       | 12.25                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Morgan Stanley & Company LLC (MSCO)     | 4.66                    | 2.78              | 0.00                        | 5.12                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Citigroup Global Markets, Inc. (KEXP)   | 2.52                    | 0.00              | 8.33                        | 2.45                            | 5.56             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

#### Material Aspects:

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Susquehanna Capital Group (SUSQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Wolverine Execution Services LLC (WEXX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Dash Financial Technologies LLC (DASH):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Morgan Stanley & Company LLC (MSCO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Citigroup Global Markets, Inc. (KEXP):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

## September 2020

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### S&P 500 Stocks

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 72.09                                     | 2.71  | 25.19   | 0.00                                     |

#### Venues



| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)         | 32.93                   | 62.71             | 27.27                       | 9.82                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| New York Stock Exchange (NYSE)        | 30.27                   | 0.00              | 18.18                       | 54.91                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 14.04                   | 0.00              | 18.18                       | 25.00                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 13.56                   | 24.29             | 36.36                       | 4.02                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC (JNST)       | 2.66                    | 3.95              | 0.00                        | 1.79                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM)     | 2.42                    | 5.08              | 0.00                        | 0.45                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Two Sigma Securities, LLC (SOHO)      | 2.18                    | 3.39              | 0.00                        | 1.34                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange (EDGX) | 1.45                    | 0.00              | 0.00                        | 2.68                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Instinet BlockCross (BLXX)            | 0.24                    | 0.00              | 0.00                        | 0.00                            | 100.00           | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| UBS Securities, LLC (UBSS)            | 0.24                    | 0.56              | 0.00                        | 0.00                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

**Material Aspects:**

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

New York Stock Exchange (NYSE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NASDAQ Execution Services, LLC (NSDQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

VIRTU Americas LLC (NITE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

JANE STREET CAPITAL, LLC (JNST):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

G1 Execution Services, LLC (ETMM):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Two Sigma Securities, LLC (SOHO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Cboe EDGX US Equities Exchange (EDGX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Instinet BlockCross (BLKX):  
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

UBS Securities, LLC (UBSS):  
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

## September 2020

### Non-S&P 500 Stocks

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 66.15                                     | 3.98  | 29.65   | 0.22                                     |

#### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)         | 32.43                   | 55.36             | 52.63                       | 10.44                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| VIRTU Americas LLC (NITE)             | 16.93                   | 30.10             | 36.84                       | 3.80                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NASDAQ Execution Services, LLC (NSDQ) | 14.70                   | 0.00              | 5.26                        | 28.80                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| New York Stock Exchange (NYSE)        | 10.86                   | 0.00              | 0.00                        | 21.52                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Cboe EDGX US Equities Exchange (EDGX) | 10.06                   | 0.00              | 0.00                        | 19.94                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NYSE Arca (ARCA)                      | 6.39                    | 0.00              | 0.00                        | 12.66                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| JANE STREET CAPITAL, LLC (JNST)       | 3.19                    | 5.88              | 5.26                        | 0.63                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| G1 Execution Services, LLC (ETMM)     | 2.40                    | 4.84              | 0.00                        | 0.32                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Two Sigma Securities, LLC (SOHO)      | 1.76                    | 2.77              | 0.00                        | 0.63                            | 50.00            | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| NYSE American (AMEX)                  | 0.48                    | 0.00              | 0.00                        | 0.95                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

**Material Aspects:**

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

VIRTU Americas LLC (NITE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NASDAQ Execution Services, LLC (NSDQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

New York Stock Exchange (NYSE):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Cboe EDGX US Equities Exchange (EDGX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NYSE Arca (ARCA):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

JANE STREET CAPITAL, LLC (JNST):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

G1 Execution Services, LLC (ETMM):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Two Sigma Securities, LLC (SOHO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

NYSE American (AMEX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

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**September 2020**

**Options**

**Summary**

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 100.00                                 | 12.90                                     | 1.51  | 85.26   | 0.34                                     |

**Venues**

| Venue - Non-directed Order Flow         | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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)           | 53.54                   | 48.65             | 25.00                       | 54.90                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Susquehanna Capital Group (SUSQ)        | 15.82                   | 39.19             | 50.00                       | 11.57                           | 100.00           | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Wolverine Execution Services LLC (WEXX) | 14.14                   | 1.35              | 0.00                        | 16.27                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |
| Dash Financial Technologies LLC (DASH)  | 12.96                   | 5.41              | 12.50                       | 14.12                           | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

| Venue - Non-directed Order Flow     | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit 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) |
|-------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| Morgan Stanley & Company LLC (MSCO) | 3.54                    | 5.41              | 12.50                       | 3.14                            | 0.00             | 0  | 0.0000  | 0  | 0.0000  | 0  | 0.0000  | 0   | 0.0000   |

**Material Aspects:**

Citadel Securities LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Susquehanna Capital Group (SUSQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Wolverine Execution Services LLC (WEXX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Dash Financial Technologies LLC (DASH):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Morgan Stanley & Company LLC (MSCO):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]