# **APEX Clearing - Held NMS Stocks and Options Order Routing Public Report**

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1st Quarter, 2022

# January 2022

# S&P 500 Stocks

### Summary

| Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|--|--|--|---|
| 100.00                                    | 46.11  | 5.96   | 38.32  | 9.60  |

## Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Jane Street<br>Capital                | 25.02                          | 24.08                   | 28.20                             | 26.29                                     | 22.51                  | 9,045.84  | 15.0022   | 4,751.83   | 15.0000  | 5,687.28  | 28.7373   | 6,008.74   | 18.2305  |
| Instinet, LLC                         | 23.26                          | 30.89                   | 17.75                             | 19.65                                     | 4.39                   |   |   |  |  |   |   |  |  |
| Virtu<br>Americas,<br>LLC             | 20.20                          | 18.61                   | 23.72                             | 20.96                                     | 22.59                  | 6,603.48  | 15.0000   | 3,346.18   | 15.0000  | 4,286.36  | 29.0000   | 3,133.22   | 14.8335  |
| CITADEL<br>SECURITIES<br>LLC          | 18.27                          | 14.94                   | 16.91                             | 17.96                                     | 36.39                  | 5,441.12  | 15.0000   | 2,897.35   | 15.0000  | 3,176.90  | 29.0000   | 3,556.92   | 17.4770  |
| Two Sigma<br>Securities,<br>LLC       | 6.58                           | 1.35                    | 1.62                              | 13.49                                     | 7.27                   | 546.99  | 15.0008   | 356.70   | 15.0002  | 3,214.24  | 28.8865   | 657.39   | 17.4504  |

### Material Aspects:

Jane Street Capital

APEX receives payment from Jane Street Capital, LLC (Jane) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### nstinet, LLC

Instinct is APEX's technology provider, All Exchange fee/rebates are passed directly back to the client.

### Virtu Americas II C:

APEX receives payment from Virtu Financial, Inc. (Virtu) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### CITADEL SECURITIES LLC

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Two Sigma Securities, LLC:

APEX receives payment from Two Sigma Investments, LP (Two Sigma) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

# January 2022

# Non-S&P 500 Stocks

## Summary

|   | Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|---|--|--|--|---|
| I | 100.00                                    | 32.48  | 10.50  | 40.50  | 16.52                                       |

### Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Jane Street<br>Capital                | 22.82                          | 26.23                   | 30.03                             | 21.69                                     | 14.32                  | 108,830.88  | 12.2617   | 144,698.32   | 12.2211  | 93,730.43   | 25.9443   | 87,328.04  | 17.3962  |
| Instinet, LLC                         | 21.77                          | 23.88                   | 12.48                             | 29.87                                     | 3.64                   |   |   |  |  |   |   |  |  |
| CITADEL<br>SECURITIES<br>LLC          | 21.63                          | 16.70                   | 17.98                             | 17.98                                     | 42.59                  | 69,357.16   | 12.0567   | 89,503.46  | 11.8146  | 58,293.68   | 18.0193   | 65,077.78  | 15.8303  |
| Virtu<br>Americas,<br>LLC             | 21.10                          | 20.58                   | 24.60                             | 17.79                                     | 28.05                  | 85,139.78   | 11.6032   | 100,937.29   | 11.2115  | 73,334.53   | 28.1158   | 43,123.91  | 13.7152  |
| Two Sigma<br>Securities,<br>LLC       | 6.42                           | 1.53                    | 1.93                              | 10.68                                     | 8.45                   | 5,935.17  | 9.0097  | 9,197.41   | 9.5073   | 56,522.54   | 28.8888   | 11,859.55  | 16.6404  |

### Material Aspects:

Jane Street Capital:

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## Instinet, LLC:

Instinet is APEX's technology provider, All Exchange fee/rebates are passed directly back to the client.

### CITADEL SECURITIES LLC:

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### Virtu Americas, LLC:

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## Two Sigma Securities, LLC:

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# January 2022

# **Options**

# Summary

|   | Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|---|--|--|--|---|
| I | 100.00                                    | 2.89   | 4.38   | 35.65  | 57.08                                       |

### Venues

| Venue -<br>Non-directed<br>Order Flow   | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Dash Financial<br>Technologies          | 36.21                          | 51.49                   | 27.14                             | 15.31                                     | 49.19                  | 29,719.19   | 21.4680   | 24,476.78  | 23.4690  | 18,015.33   | 23.8860   | 234,141.09   | 51.4825  |
| Wolverine<br>Execution<br>Services, LLC | 35.71                          | 26.61                   | 42.91                             | 49.79                                     | 26.83                  | 14,274.85   | 28.3710   | 85,760.65  | 34.6027  | 43,349.65   | 31.2888   | 102,243.71   | 54.2554  |
| Global<br>Execution<br>Brokers LP       | 17.96                          | 11.22                   | 17.26                             | 22.12                                     | 15.76                  | 4,525.05  | 28.7926   | 33,109.72  | 35.5735  | 25,925.20   | 33.1516   | 39,144.02  | 56.8260  |
| CITADEL<br>SECURITIES<br>LLC            | 8.16                           | 9.66                    | 11.53                             | 11.45                                     | 5.78                   | 4,508.04  | 24.6099   | 18,440.61  | 28.5857  | 11,159.59   | 27.9060   | 14,637.45  | 52.7324  |

## Material Aspects:

Dash Financial Technologies:

APEX receives payment from Dash Technologies Inc (Dash) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### Wolverine Execution Services, LLC:

APEX receives payment from Wolverine Execution Services (Wolverine) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### Global Execution Brokers LP:

APEX receives payment from G1 Execution Services, LLC (G1X) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### CITADEL SECURITIES LLC:

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

# February 2022

### Summary

| Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|--|--|--|---|
| 100.00                                    | 47.37  | 5.55   | 37.40  | 9.68  |

### Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Instinet, LLC                         | 25.29                          | 30.56                   | 23.53                             | 24.20                                     | 4.77                   |   |   |  |  |   |   |  |  |
| Jane Street<br>Capital                | 24.46                          | 24.21                   | 26.73                             | 24.97                                     | 22.38                  | 6,820.13  | 15.0088   | 5,049.77   | 15.0000  | 4,243.94  | 28.5322   | 3,702.15   | 20.4797  |
| Virtu<br>Americas,<br>LLC             | 19.44                          | 18.71                   | 21.56                             | 19.57                                     | 21.26                  | 5,368.81  | 15.0000   | 3,256.55   | 15.0000  | 3,221.46  | 29.0000   | 2,644.23   | 14.7995  |
| CITADEL<br>SECURITIES<br>LLC          | 18.18                          | 14.98                   | 15.78                             | 17.67                                     | 37.15                  | 4,265.97  | 15.0000   | 3,348.20   | 15.0000  | 2,708.94  | 29.0000   | 5,784.42   | 16.2834  |
| Two Sigma<br>Securities,<br>LLC       | 6.02                           | 1.34                    | 1.56                              | 12.23                                     | 7.50                   | 374.11  | 15.0003   | 240.45   | 15.0009  | 2,758.61  | 28.9494   | 769.77   | 18.2643  |

# Material Aspects:

Instinet, LLC:

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# Non-S&P 500 Stocks

## Summary

| Non-Directed Orders | Market Orders as % of | Marketable Limit    | Non-Marketable Limit | Other Orders as % of |
|---------------------|-----------------------|---------------------|----------------------|----------------------|
| as % of All Orders  | Non-Directed Orders   | Orders as % of Non- | Orders as % of Non-  | Non-Directed Orders  |
|                     |                       | Directed Orders     | Directed Orders      |                      |

# February 2022

| Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|--|--|--|---|
| 100.00                                    | 33.30  | 10.75  | 39.80  | 16.14                                       |

### Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Instinet, LLC                         | 24.62                          | 25.52                   | 15.16                             | 35.10                                     | 3.22                   |   |   |  |  |   |   |  |  |
| Jane Street<br>Capital                | 22.06                          | 25.86                   | 29.36                             | 19.97                                     | 14.50                  | 84,027.38   | 11.8194   | 136,181.93   | 12.2123  | 74,014.59   | 25.0174   | 74,434.43  | 16.5011  |
| CITADEL<br>SECURITIES<br>LLC          | 21.69                          | 16.18                   | 17.34                             | 17.60                                     | 46.04                  | 51,343.34   | 11.2746   | 84,709.47  | 12.1100  | 47,193.45   | 16.6493   | 51,830.65  | 15.7457  |
| Virtu<br>Americas,<br>LLC             | 19.54                          | 20.13                   | 23.67                             | 15.96                                     | 24.39                  | 63,998.21   | 10.9928   | 100,238.22   | 11.3985  | 56,479.88   | 28.0612   | 35,354.50  | 12.2604  |
| Two Sigma<br>Securities,<br>LLC       | 6.04                           | 1.50                    | 1.89                              | 9.84                                      | 8.81                   | 4,746.62  | 8.0064  | 7,209.87   | 9.0095   | 43,830.84   | 28.8924   | 9,008.62   | 14.6971  |

# Material Aspects:

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APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

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# February 2022

# **Options**

# Summary

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|---|--|--|--|---|
| 100.00                                    | 2.97   | 5.01   | 37.25  | 54.77                                       |

## Venues

| Venue -<br>Non-directed<br>Order Flow   | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Wolverine<br>Execution<br>Services, LLC | 34.06                          | 23.43                   | 40.06                             | 46.14                                     | 25.87                  | 13,295.95   | 27.6670   | 89,804.65  | 33.2087  | 40,787.05   | 33.6546   | 72,273.13  | 54.8946  |
| Dash Financial<br>Technologies          | 34.04                          | 49.70                   | 25.31                             | 15.56                                     | 46.55                  | 38,448.75   | 21.4093   | 28,716.11  | 24.1645  | 15,341.40   | 23.5934   | 169,494.59   | 51.3508  |
| Global<br>Execution<br>Brokers LP       | 19.05                          | 14.79                   | 18.67                             | 22.53                                     | 16.95                  | 7,074.36  | 26.5335   | 35,142.28  | 33.0595  | 22,291.26   | 33.9687   | 52,260.34  | 57.1239  |
| CITADEL<br>SECURITIES<br>LLC            | 8.10                           | 9.25                    | 10.72                             | 11.00                                     | 5.82                   | 4,392.64  | 25.3032   | 18,617.08  | 28.1932  | 9,740.66  | 28.7828   | 12,406.85  | 52.0880  |

# Material Aspects:

Wolverine Execution Services, LLC:

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### Global Execution Brokers LP:

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### CITADEL SECURITIES LLC

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

# March 2022

# S&P 500 Stocks

# Summary

| Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|--|--|--|---|
| 100.00                                    | 47.13  | 4.90   | 38.55  | 9.42  |

### Venues

| Venue -<br>Non-directe<br>Order Flov |       | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|--------------------------------------|-------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Instinet, LL                         | 26.69 | 31.18                   | 17.23                             | 27.68                                     | 5.12                   |   |   |  |  |   |   |  |  |

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Jane Street<br>Capital                | 24.65                          | 25.80                   | 30.85                             | 23.20                                     | 21.63                  | 9,048.05  | 15.0066   | 3,482.86   | 15.0000  | 5,122.48  | 28.6327   | 3,446.89   | 19.3826  |
| CITADEL<br>SECURITIES<br>LLC          | 20.32                          | 18.15                   | 19.54                             | 17.73                                     | 42.20                  | 6,360.23  | 15.0000   | 2,115.86   | 15.0000  | 2,660.53  | 29.0000   | 2,788.46   | 17.0182  |
| Virtu<br>Americas,<br>LLC             | 16.08                          | 13.80                   | 18.59                             | 18.35                                     | 16.91                  | 4,657.57  | 15.0000   | 1,655.29   | 15.0000  | 3,483.09  | 29.0000   | 1,192.81   | 12.8681  |
| Two Sigma<br>Securities,<br>LLC       | 5.99                           | 1.37                    | 1.66                              | 11.82                                     | 7.49                   | 510.77  | 15.0007   | 179.40   | 15.0000  | 2,565.91  | 28.9242   | 474.06   | 17.3898  |

### Material Aspects:

Instinet, LLC:

Instinct is APEX's technology provider, All Exchange fee/rebates are passed directly back to the client.

Jane Street Capital:

APEX receives payment from Jane Street Capital, LLC (Jane) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not continuent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### CITADEL SECURITIES LLC:

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### Virtu Americas LLC

APEX receives payment from Virtu Financial, Inc. (Virtu) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### Two Sigma Securities, LLC

APEX receives payment from Two Sigma Investments, LP (Two Sigma) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

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# March 2022

# Non-S&P 500 Stocks

### Summary

| Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|--|--|--|---|
| 100.00                                    | 29.90  | 11.83  | 45.32  | 12.95                                       |

### Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Instinet, LLC                         | 31.15                          | 30.09                   | 17.96                             | 42.80                                     | 4.86                   |   |   |  |  |   |   |  |  |

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| CITADEL<br>SECURITIES<br>LLC          | 21.86                          | 19.32                   | 20.37                             | 15.92                                     | 49.85                  | 104,811.28  | 10.7335   | 227,213.72   | 10.8345  | 102,254.10  | 13.8713   | 179,217.16   | 14.5007  |
| Jane Street<br>Capital                | 20.88                          | 25.56                   | 29.38                             | 17.68                                     | 13.48                  | 136,688.28  | 10.8007   | 300,917.50   | 11.3127  | 174,023.70  | 23.6261   | 118,545.70   | 15.2442  |
| Virtu<br>Americas,<br>LLC             | 15.09                          | 13.95                   | 18.99                             | 13.43                                     | 19.96                  | 74,809.90   | 9.6435  | 167,885.33   | 9.7821   | 130,019.50  | 28.0399   | 71,572.08  | 12.3396  |
| Two Sigma<br>Securities,<br>LLC       | 5.84                           | 1.43                    | 1.90                              | 8.90                                      | 8.87                   | 7,083.26  | 6.8905  | 16,748.91  | 7.9164   | 101,057.30  | 28.7572   | 15,793.41  | 14.0632  |

### Material Aspects:

Instinet, LLC:

Instinct is APEX's technology provider, All Exchange fee/rebates are passed directly back to the client.

CITADEL SECURITIES LLC:

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not continuent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

Jane Street Capital:

APEX receives payment from Jane Street Capital (Jane) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

Virtu Americas II C

APEX receives payment from Virtu Financial, Inc. (Virtu) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

Two Sigma Securities, LLC:

APEX receives payment from Two Sigma Investments, LP (Two Sigma) for directing order flow. Payment varies based upon a number of factors including but not limited to: whether an order is marketable at the time of order entry, the underlying price of the security and any special handling instructions. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

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# March 2022

# **Options**

### Summary

|   | Non-Directed Orders<br>as % of All Orders | Market Orders as % of<br>Non-Directed Orders | Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Non-Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Other Orders as % of<br>Non-Directed Orders |
|---|---|--|--|--|---|
| Ì | 100.00                                    | 2.16   | 4.98   | 39.64  | 53.22                                       |

### Venues

| Venue -<br>Non-directed<br>Order Flow | Non-<br>Directed Orders<br>Orders (%) (%) |  |  | Orders Paid/Re<br>(%) M | Received for Received for Market Orders(cents phundred share | Received for Marketable Limit | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received<br>for Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|---------------------------------------|---|--|--|-------------------------|--|-------------------------------|--|---|---|--|--|
|---------------------------------------|---|--|--|-------------------------|--|-------------------------------|--|---|---|--|--|

| Venue -<br>Non-directed<br>Order Flow                  | Non-<br>Directed<br>Orders (%) | Market<br>Orders<br>(%) | Marketable<br>Limit Orders<br>(%) | Non-<br>Marketable<br>Limit Orders<br>(%) | Other<br>Orders<br>(%) | Net Payment<br>Paid/Received for<br>Market<br>Orders(USD) | Net Payment Paid/<br>Received for Market<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(USD) | Net Payment Paid/<br>Received for Non-<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received<br>for Other<br>Orders(USD) | Net Payment Paid/<br>Received for Other<br>Orders(cents per<br>hundred shares) |
|--|--------------------------------|-------------------------|-----------------------------------|---|------------------------|---|---|--|--|---|---|--|--|
| Wolverine<br>Execution<br>Services, LLC                | 33.89                          | 24.61                   | 38.93                             | 45.00                                     | 25.52                  | 12,996.90   | 26.6729   | 124,110.95   | 34.8956  | 47,939.25   | 33.0288   | 112,439.96   | 55.0949  |
| Dash Financial<br>Technologies                         | 32.62                          | 46.47                   | 25.16                             | 15.31                                     | 45.65                  | 22,924.92   | 21.7037   | 34,164.38  | 24.6479  | 18,531.56   | 23.6254   | 216,391.31   | 51.7610  |
| Global Execution<br>Brokers LP                         | 15.94                          | 13.63                   | 16.15                             | 18.51                                     | 14.10                  | 6,257.46  | 25.0028   | 43,479.25  | 34.8377  | 20,660.25   | 33.5633   | 56,255.73  | 56.9673  |
| CITADEL<br>SECURITIES LLC                              | 8.33                           | 9.15                    | 11.02                             | 11.14                                     | 5.95                   | 4,457.90  | 24.8531   | 24,399.60  | 29.6995  | 13,419.23   | 29.3201   | 17,256.88  | 53.0687  |
| Matrix<br>Executions, LLC /<br>Simplex Trading,<br>LLC | 7.44                           | 4.87                    | 7.29                              | 8.81                                      | 6.53                   | 27.60   | 41.1940   | 19,978.65  | 33.0051  | 14,447.25   | 29.8417   | 37,867.40  | 55.5444  |

## Material Aspects:

Wolverine Execution Services, LLC:

APEX receives payment from Wolverine Execution Services (Wolverine) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

## Dash Financial Technologies:

APEX receives payment from Dash Technologies Inc (Dash) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds.

### Global Execution Brokers LP:

APEX receives payment from G1 Execution Services, LLC (G1X) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

### CITADEL SECURITIES LLC:

APEX receives payment from Citadel Securities, LLC. (Citadel) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds.

## Matrix Executions, LLC / Simplex Trading, LLC:

APEX receives payment from Matrix Executions, LLC (Matrix) for directing order flow of options contracts. Payment varies based upon a number of factors including but not limited to: Type of the order and the underlying symbol of the security. These payments were not contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds.