

April 2025

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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 2,731                     | 100.00                                 | 1,986               | 72.72                                     | 65                            |

Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------------|---------------------|------------------------|---------------|------------------|
| VIRTU Americas, LLC(NITE)             | 858                 | 22.92                  | 447           | 17.41            |
| National Financial Services LLC(XSTM) | 698                 | 18.65                  | 672           | 26.18            |
| Citadel Securities LLC(CDRG)          | 696                 | 18.59                  | 566           | 22.05            |
| G1 Execution Services, LLC(ETMM)      | 531                 | 14.19                  | 479           | 18.66            |
| NASDAQ Execution Services, LLC(NSDQ)  | 280                 | 7.48                   | 0             | 0.00             |
| Jane Street Capital, LLC(JNST)        | 207                 | 5.53                   | 184           | 7.17             |
| HRT FINANCIAL LP(HRTF)                | 180                 | 4.81                   | 163           | 6.35             |
| New York Stock Exchange(NYSE)         | 143                 | 3.82                   | 0             | 0.00             |

|                                      |    |      |    |      |
|--------------------------------------|----|------|----|------|
| Two Sigma Securities, LLC(SOHO)      | 49 | 1.31 | 45 | 1.75 |
| Cboe EDGX US Equities Exchange(EDGX) | 44 | 1.18 | 0  | 0.00 |

April 2025

#### 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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 5,194                     | 100.00                                 | 3,816               | 73.47                                     | 183                           |

#### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------------|---------------------|------------------------|---------------|------------------|
| National Financial Services LLC(XSTM) | 1,937               | 24.02                  | 1,799         | 32.20            |
| Citadel Securities LLC(CDRG)          | 1,472               | 18.25                  | 1,177         | 21.07            |
| VIRTU Americas, LLC(NITE)             | 1,296               | 16.07                  | 830           | 14.86            |
| G1 Execution Services, LLC(ETMM)      | 1,084               | 13.44                  | 955           | 17.09            |
| Jane Street Capital, LLC(JNST)        | 370                 | 4.59                   | 327           | 5.85             |
| HRT FINANCIAL LP(HRTF)                | 346                 | 4.29                   | 300           | 5.37             |
| New York Stock Exchange(NYSE)         | 334                 | 4.14                   | 0             | 0.00             |
| NASDAQ Execution Services, LLC(NSDQ)  | 322                 | 3.99                   | 0             | 0.00             |
| NYSE Arca(ARCA)                       | 208                 | 2.58                   | 0             | 0.00             |

|                                            |     |      |   |      |
|--------------------------------------------|-----|------|---|------|
| Cboe EDGX US<br>Equities<br>Exchange(EDGX) | 189 | 2.34 | 0 | 0.00 |
|--------------------------------------------|-----|------|---|------|

April 2025

#### Option Contracts Summary

| Total Non-Directed<br>Orders | Non-Directed Orders<br>as % of All Orders | Total Market Orders | Market Orders as %<br>of Non-Directed<br>Orders | Total Marketable<br>Limit Orders |
|------------------------------|-------------------------------------------|---------------------|-------------------------------------------------|----------------------------------|
| 816                          | 100.00                                    | 139                 | 17.03                                           | 41                               |

#### Venues

| Venue - Non-<br>directed Order Flow         | Non-Directed Orders | Non-Directed<br>Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------------------|---------------------|---------------------------|---------------|------------------|
| Dash Financial<br>Technologies<br>LLC(DASH) | 389                 | 32.31                     | 40            | 30.08            |
| Citadel Securities<br>LLC(CDRG)             | 380                 | 31.56                     | 38            | 28.57            |
| Wolverine Execution<br>Services LLC(WEXX)   | 321                 | 26.66                     | 6             | 4.51             |
| Susquehanna<br>Capital Group(SUSQ)          | 59                  | 4.90                      | 30            | 22.56            |
| Morgan Stanley &<br>Company<br>LLC(MSCO)    | 40                  | 3.32                      | 16            | 12.03            |
| Jane Street Capital,<br>LLC(JNST)           | 11                  | 0.91                      | 2             | 1.50             |
| Interactive Brokers<br>LLC(IBKR)            | 4                   | 0.33                      | 1             | 0.75             |

May 2025

#### 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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 2,464                     | 100.00                                 | 1,717               | 69.68                                     | 78                            |

#### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------------|---------------------|------------------------|---------------|------------------|
| Citadel Securities LLC(CDRG)          | 739                 | 22.79                  | 564           | 25.01            |
| VIRTU Americas, LLC(NITE)             | 719                 | 22.17                  | 364           | 16.14            |
| National Financial Services LLC(XSTM) | 662                 | 20.41                  | 630           | 27.94            |
| G1 Execution Services, LLC(ETMM)      | 437                 | 13.48                  | 369           | 16.36            |
| HRT FINANCIAL LP(HRTF)                | 163                 | 5.03                   | 138           | 6.12             |
| Jane Street Capital, LLC(JNST)        | 158                 | 4.87                   | 141           | 6.25             |
| New York Stock Exchange(NYSE)         | 133                 | 4.10                   | 0             | 0.00             |
| NASDAQ Execution Services, LLC(NSDQ)  | 76                  | 2.34                   | 0             | 0.00             |
| Cboe EDGX US Equities Exchange(EDGX)  | 40                  | 1.23                   | 0             | 0.00             |
| UBS Securities, LLC(UBSS)             | 40                  | 1.23                   | 13            | 0.58             |

May 2025

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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 4,403                     | 100.00                                 | 3,211               | 72.93                                     | 277                           |

#### Venues

| Venue - Non-directed Order Flow       | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------------|---------------------|------------------------|---------------|------------------|
| National Financial Services LLC(XSTM) | 1,906               | 26.46                  | 1,667         | 34.57            |
| Citadel Securities LLC(CDRG)          | 1,303               | 18.09                  | 1,021         | 21.17            |
| VIRTU Americas, LLC(NITE)             | 1,111               | 15.42                  | 718           | 14.89            |
| G1 Execution Services, LLC(ETMM)      | 854                 | 11.85                  | 723           | 14.99            |
| HRT FINANCIAL LP(HRTF)                | 380                 | 5.27                   | 321           | 6.66             |
| New York Stock Exchange(NYSE)         | 378                 | 5.25                   | 0             | 0.00             |
| Jane Street Capital, LLC(JNST)        | 293                 | 4.07                   | 244           | 5.06             |
| NASDAQ Execution Services, LLC(NSDQ)  | 206                 | 2.86                   | 0             | 0.00             |
| NYSE Arca(ARCA)                       | 159                 | 2.21                   | 0             | 0.00             |
| Cboe BZX U.S. Equities Exchange(BATS) | 152                 | 2.11                   | 0             | 0.00             |

#### May 2025

#### Option Contracts 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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|

|     |        |     |       |    |
|-----|--------|-----|-------|----|
| 778 | 100.00 | 166 | 21.34 | 49 |
|-----|--------|-----|-------|----|

## Venues

| Venue - Non-directed Order Flow        | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|----------------------------------------|---------------------|------------------------|---------------|------------------|
| Citadel Securities LLC(CDRG)           | 331                 | 31.86                  | 60            | 36.14            |
| Dash Financial Technologies LLC(DASH)  | 290                 | 27.91                  | 38            | 22.89            |
| Wolverine Execution Services LLC(WEXX) | 284                 | 27.33                  | 9             | 5.42             |
| Susquehanna Capital Group(SUSQ)        | 101                 | 9.72                   | 50            | 30.12            |
| Morgan Stanley & Company LLC(MSCO)     | 24                  | 2.31                   | 6             | 3.61             |
| Jane Street Capital, LLC(JNST)         | 8                   | 0.77                   | 3             | 1.81             |
| Interactive Brokers LLC(IBKR)          | 1                   | 0.10                   | 0             | 0.00             |

## June 2025

### 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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 1,758                     | 100.00                                 | 1,285               | 73.09                                     | 71                            |

## Venues

| Venue - Non-directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------|---------------------|------------------------|---------------|------------------|
|---------------------------------|---------------------|------------------------|---------------|------------------|

|                                            |     |       |     |       |
|--------------------------------------------|-----|-------|-----|-------|
| Citadel Securities<br>LLC(CDRG)            | 492 | 20.36 | 387 | 23.20 |
| VIRTU Americas,<br>LLC(NITE)               | 492 | 20.36 | 263 | 15.77 |
| National Financial<br>Services LLC(XSTM)   | 472 | 19.54 | 449 | 26.92 |
| G1 Execution<br>Services, LLC(ETMM)        | 315 | 13.04 | 283 | 16.97 |
| HRT FINANCIAL<br>LP(HRTF)                  | 200 | 8.28  | 185 | 11.09 |
| New York Stock<br>Exchange(NYSE)           | 143 | 5.92  | 0   | 0.00  |
| NASDAQ Execution<br>Services, LLC(NSDQ)    | 121 | 5.01  | 0   | 0.00  |
| Jane Street Capital,<br>LLC(JNST)          | 50  | 2.07  | 49  | 2.94  |
| Cboe EDGX US<br>Equities<br>Exchange(EDGX) | 46  | 1.90  | 0   | 0.00  |
| UBS Securities,<br>LLC(UBSS)               | 39  | 1.61  | 26  | 1.56  |

June 2025

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

| Total Non-Directed<br>Orders | Non-Directed Orders<br>as % of All Orders | Total Market Orders | Market Orders as %<br>of Non-Directed<br>Orders | Total Marketable<br>Limit Orders |
|------------------------------|-------------------------------------------|---------------------|-------------------------------------------------|----------------------------------|
| 3,457                        | 100.00                                    | 2,527               | 73.10                                           | 194                              |

#### Venues

| Venue - Non-<br>directed Order Flow | Non-Directed<br>Orders | Non-Directed<br>Orders(%) | Market Orders | Market Orders(%) |
|-------------------------------------|------------------------|---------------------------|---------------|------------------|
|-------------------------------------|------------------------|---------------------------|---------------|------------------|

|                                       |       |       |       |       |
|---------------------------------------|-------|-------|-------|-------|
| National Financial Services LLC(XSTM) | 1,737 | 23.89 | 1,591 | 38.89 |
| NASDAQ Execution Services, LLC(NSDQ)  | 1,159 | 15.94 | 0     | 0.00  |
| Citadel Securities LLC(CDRG)          | 1,049 | 14.43 | 850   | 20.78 |
| VIRTU Americas, LLC(NITE)             | 902   | 12.41 | 610   | 14.91 |
| G1 Execution Services, LLC(ETMM)      | 526   | 7.24  | 457   | 11.17 |
| Cboe EDGX US Equities Exchange(EDGX)  | 461   | 6.34  | 0     | 0.00  |
| New York Stock Exchange(NYSE)         | 411   | 5.65  | 0     | 0.00  |
| HRT FINANCIAL LP(HRTF)                | 406   | 5.58  | 363   | 8.87  |
| Members Exchange(MEMX)                | 163   | 2.24  | 0     | 0.00  |
| Jane Street Capital, LLC(JNST)        | 119   | 1.64  | 103   | 2.52  |

#### June 2025

#### Option Contracts 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 |
|---------------------------|----------------------------------------|---------------------|-------------------------------------------|-------------------------------|
| 1,059                     | 100.00                                 | 130                 | 12.28                                     | 71                            |

#### Venues

| Venue - Non-directed Order Flow | Non-Directed Orders | Non-Directed Orders(%) | Market Orders | Market Orders(%) |
|---------------------------------|---------------------|------------------------|---------------|------------------|
| Citadel Securities LLC(CDRG)    | 420                 | 32.74                  | 46            | 35.38            |



|                                                       |     |       |    |       |
|-------------------------------------------------------|-----|-------|----|-------|
| <b>Dash Financial<br/>Technologies<br/>LLC(DASH)</b>  | 358 | 27.90 | 28 | 21.54 |
| <b>Wolverine Execution<br/>Services LLC(WEXX)</b>     | 356 | 27.75 | 8  | 6.15  |
| <b>Susquehanna<br/>Capital Group(SUSQ)</b>            | 118 | 9.20  | 41 | 31.54 |
| <b>Jane Street Capital,<br/>LLC(JNST)</b>             | 17  | 1.33  | 6  | 4.62  |
| <b>Morgan Stanley &amp;<br/>Company<br/>LLC(MSCO)</b> | 14  | 1.09  | 1  | 0.77  |

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**Stocks and Options Order Routing Public**  
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**2nd Quarter, 2025**

| <b>Marketable Limit<br/>Orders as % of Non-<br/>Directed Orders</b> | <b>Total Non-Marketable Limit Orders</b> | <b>Non-Marketable<br/>Limit Orders as % of<br/>Non-Directed Orders</b> |
|---------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------|
| 2.38                                                                | 584                                      | 21.38                                                                  |

| <b>Marketable Limit<br/>Orders</b> | <b>Marketable Limit Orders(%)</b> | <b>Non-Marketable<br/>Limit Orders</b> |
|------------------------------------|-----------------------------------|----------------------------------------|
| 18                                 | 16.36                             | 330                                    |
| 26                                 | 23.64                             | 0                                      |
| 23                                 | 20.91                             | 74                                     |
| 9                                  | 8.18                              | 43                                     |
| 3                                  | 2.73                              | 277                                    |
| 6                                  | 5.45                              | 17                                     |
| 4                                  | 3.64                              | 13                                     |
| 2                                  | 1.82                              | 141                                    |

|   |      |    |
|---|------|----|
| 2 | 1.82 | 2  |
| 0 | 0.00 | 44 |

| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| 3.52                                                       | 1,138                             | 21.91                                                         |

| Marketable Limit<br>Orders | Marketable Limit Orders(%) | Non-Marketable<br>Limit Orders |
|----------------------------|----------------------------|--------------------------------|
| 138                        | 39.54                      | 0                              |
| 70                         | 20.06                      | 201                            |
| 37                         | 10.60                      | 397                            |
| 38                         | 10.89                      | 91                             |
| 16                         | 4.58                       | 27                             |
| 11                         | 3.15                       | 35                             |
| 6                          | 1.72                       | 328                            |
| 2                          | 0.57                       | 320                            |
| 3                          | 0.86                       | 205                            |

|   |      |     |
|---|------|-----|
| 0 | 0.00 | 189 |
|---|------|-----|

|                                                            |                                   |                                                               |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
| 5.02                                                       | 566                               | 69.36                                                         |

|                            |                            |                                |
|----------------------------|----------------------------|--------------------------------|
| Marketable Limit<br>Orders | Marketable Limit Orders(%) | Non-Marketable<br>Limit Orders |
| 15                         | 34.09                      | 334                            |
| 12                         | 27.27                      | 327                            |
| 3                          | 6.82                       | 312                            |
| 10                         | 22.73                      | 18                             |
| 3                          | 6.82                       | 21                             |
| 1                          | 2.27                       | 8                              |
| 0                          | 0.00                       | 0                              |

| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| 3.17                                                       | 585                               | 23.74                                                         |

| Marketable Limit<br>Orders | Marketable Limit Orders(%) | Non-Marketable<br>Limit Orders |
|----------------------------|----------------------------|--------------------------------|
| 38                         | 30.40                      | 108                            |
| 22                         | 17.60                      | 280                            |
| 32                         | 25.60                      | 0                              |
| 12                         | 9.60                       | 56                             |
| 2                          | 1.60                       | 23                             |
| 2                          | 1.60                       | 15                             |
| 0                          | 0.00                       | 133                            |
| 0                          | 0.00                       | 76                             |
| 0                          | 0.00                       | 40                             |
| 0                          | 0.00                       | 25                             |

| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| 6.29                                                       | 882                               | 20.03                                                         |

| Marketable Limit<br>Orders | Marketable Limit Orders(%) | Non-Marketable<br>Limit Orders |
|----------------------------|----------------------------|--------------------------------|
| 239                        | 43.30                      | 0                              |
| 79                         | 14.31                      | 191                            |
| 79                         | 14.31                      | 293                            |
| 52                         | 9.42                       | 79                             |
| 30                         | 5.43                       | 29                             |
| 4                          | 0.72                       | 374                            |
| 23                         | 4.17                       | 26                             |
| 0                          | 0.00                       | 206                            |
| 0                          | 0.00                       | 159                            |
| 3                          | 0.54                       | 149                            |

| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|

|      |     |       |
|------|-----|-------|
| 6.30 | 489 | 62.85 |
|------|-----|-------|

| Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders |     |
|-------------------------|----------------------------|-----------------------------|-----|
|                         | 15                         | 29.41                       | 254 |
|                         | 13                         | 25.49                       | 239 |
|                         | 3                          | 5.88                        | 272 |
|                         | 20                         | 39.22                       | 27  |
|                         | 0                          | 0.00                        | 18  |
|                         | 0                          | 0.00                        | 5   |
|                         | 0                          | 0.00                        | 1   |

| Marketable Limit Orders as % of Non-Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable Limit Orders as % of Non-Directed Orders |       |
|-----------------------------------------------------|-----------------------------------|---------------------------------------------------------|-------|
| 4.04                                                |                                   | 349                                                     | 19.85 |

| Marketable Limit Orders | Marketable Limit Orders(%) | Non-Marketable Limit Orders |  |
|-------------------------|----------------------------|-----------------------------|--|
|-------------------------|----------------------------|-----------------------------|--|

|    |       |     |
|----|-------|-----|
| 35 | 36.08 | 50  |
| 17 | 17.53 | 181 |
| 23 | 23.71 | 0   |
| 7  | 7.22  | 25  |
| 9  | 9.28  | 6   |
| 1  | 1.03  | 142 |
| 0  | 0.00  | 121 |
| 0  | 0.00  | 1   |
| 0  | 0.00  | 46  |
| 1  | 1.03  | 10  |

**Marketable Limit**  
**Orders as % of Non-**  
**Directed Orders**      **Total Non-Marketable Limit Orders**  
5.61

**Non-Marketable**  
**Limit Orders as % of**  
**Non-Directed Orders**  
684      19.79

**Marketable Limit**  
**Orders**      **Marketable Limit Orders(%)**

**Non-Marketable**  
**Limit Orders**



|     |       |       |
|-----|-------|-------|
| 146 | 39.46 | 0     |
| 0   | 0.00  | 1,159 |
| 61  | 16.49 | 103   |
| 52  | 14.05 | 224   |
| 37  | 10.00 | 32    |
| 0   | 0.00  | 461   |
| 1   | 0.27  | 410   |
| 23  | 6.22  | 20    |
| 0   | 0.00  | 163   |
| 10  | 2.70  | 6     |

|                                                            |                                   |                                                               |
|------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| Marketable Limit<br>Orders as % of Non-<br>Directed Orders | Total Non-Marketable Limit Orders | Non-Marketable<br>Limit Orders as % of<br>Non-Directed Orders |
| 6.70                                                       | 752                               | 71.01                                                         |

|                            |                            |                                |
|----------------------------|----------------------------|--------------------------------|
| Marketable Limit<br>Orders | Marketable Limit Orders(%) | Non-Marketable<br>Limit Orders |
| 19                         | 30.16                      | 355                            |

|    |       |     |
|----|-------|-----|
| 18 | 28.57 | 312 |
| 3  | 4.76  | 345 |
| 22 | 34.92 | 55  |
| 1  | 1.59  | 10  |
| 0  | 0.00  | 13  |

|                           |                             |
|---------------------------|-----------------------------|
|                           | <b>Other Orders as % of</b> |
| <b>Total Other Orders</b> | <b>Non-Directed Orders</b>  |
| 96                        | 3.52                        |

| <b>Non-Marketable<br/>Limit Orders(%)</b> | <b>Other Orders</b> | <b>Other Orders(%)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(cents<br/>per hundred shares)</b> |
|-------------------------------------------|---------------------|------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 34.02                                     | 63                  | 65.63                  | 0                                                               | 0                                                                                        |
| 0.00                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 7.63                                      | 33                  | 34.38                  | 0                                                               | 0                                                                                        |
| 4.43                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 28.56                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 1.75                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 1.34                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 14.54                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |

|      |   |      |   |   |
|------|---|------|---|---|
| 0.21 | 0 | 0.00 | 0 | 0 |
|------|---|------|---|---|

|      |   |      |   |   |
|------|---|------|---|---|
| 4.54 | 0 | 0.00 | 0 | 0 |
|------|---|------|---|---|

|                           |                             |
|---------------------------|-----------------------------|
|                           | <b>Other Orders as % of</b> |
| <b>Total Other Orders</b> | <b>Non-Directed Orders</b>  |
| 57                        | 1.10                        |

| <b>Non-Marketable<br/>Limit Orders(%)</b> | <b>Other Orders</b> | <b>Other Orders(%)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(cents<br/>per hundred shares)</b> |
|-------------------------------------------|---------------------|------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 0.00                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 9.71                                      | 24                  | 42.11                  | 0                                                               | 0                                                                                        |
| 19.17                                     | 32                  | 56.14                  | 0                                                               | 0                                                                                        |
| 4.39                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 1.30                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 1.69                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 15.84                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 15.45                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 9.90                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |

|      |   |      |   |   |
|------|---|------|---|---|
| 9.13 | 0 | 0.00 | 0 | 0 |
|------|---|------|---|---|

|                           |                             |
|---------------------------|-----------------------------|
|                           | <b>Other Orders as % of</b> |
| <b>Total Other Orders</b> | <b>Non-Directed Orders</b>  |
| 70                        | 8.58                        |

| <b>Non-Marketable<br/>Limit Orders(%)</b> | <b>Other Orders</b> | <b>Other Orders(%)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(cents<br/>per hundred shares)</b> |
|-------------------------------------------|---------------------|------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 32.75                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 32.06                                     | 3                   | 42.86                  | 0                                                               | 0                                                                                        |
| 30.59                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 1.76                                      | 1                   | 14.29                  | 0                                                               | 0                                                                                        |
| 2.06                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 0.78                                      | 0                   | 0.00                   | 0                                                               | 0                                                                                        |
| 0.00                                      | 3                   | 42.86                  | 0                                                               | 0                                                                                        |

| Total Other Orders | Other Orders as % of<br>Non-Directed Orders |
|--------------------|---------------------------------------------|
| 84                 | 3.41                                        |

| Non-Marketable<br>Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment<br>Paid/Received for<br>Market Orders(USD) | Net Payment<br>Paid/Received for<br>Market Orders(cents<br>per hundred shares) |
|-----------------------------------|--------------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------|
| 13.86                             | 29           | 34.52           | 0                                                      | 0                                                                              |
| 35.94                             | 53           | 63.10           | 0                                                      | 0                                                                              |
| 0.00                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 7.19                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 2.95                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 1.93                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 17.07                             | 0            | 0.00            | 0                                                      | 0                                                                              |
| 9.76                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 5.13                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 3.21                              | 2            | 2.38            | 0                                                      | 0                                                                              |

| Total Other Orders | Other Orders as % of<br>Non-Directed Orders |
|--------------------|---------------------------------------------|
| 33                 | 0.75                                        |

| Non-Marketable<br>Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment<br>Paid/Received for<br>Market Orders(USD) | Net Payment<br>Paid/Received for<br>Market Orders(cents<br>per hundred shares) |
|-----------------------------------|--------------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------|
| 0.00                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 10.63                             | 12           | 36.36           | 0                                                      | 0                                                                              |
| 16.30                             | 21           | 63.64           | 0                                                      | 0                                                                              |
| 4.40                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 1.61                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 20.81                             | 0            | 0.00            | 0                                                      | 0                                                                              |
| 1.45                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 11.46                             | 0            | 0.00            | 0                                                      | 0                                                                              |
| 8.85                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 8.29                              | 0            | 0.00            | 0                                                      | 0                                                                              |

| Total Other Orders | Other Orders as % of<br>Non-Directed Orders |
|--------------------|---------------------------------------------|
|--------------------|---------------------------------------------|

74 9.51

| Non-Marketable<br>Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment<br>Paid/Received for<br>Market Orders(USD) | Net Payment<br>Paid/Received for<br>Market Orders(cents<br>per hundred shares) |
|-----------------------------------|--------------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------|
| 31.13                             | 2            | 33.33           | 0                                                      | 0                                                                              |
| 29.29                             | 0            | 0.00            | 0                                                      | 0                                                                              |
| 33.33                             | 0            | 0.00            | 0                                                      | 0                                                                              |
| 3.31                              | 4            | 66.67           | 0                                                      | 0                                                                              |
| 2.21                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 0.61                              | 0            | 0.00            | 0                                                      | 0                                                                              |
| 0.12                              | 0            | 0.00            | 0                                                      | 0                                                                              |

| Total Other Orders | Other Orders as % of<br>Non-Directed Orders |
|--------------------|---------------------------------------------|
| 53                 | 3.01                                        |

| Non-Marketable<br>Limit Orders(%) | Other Orders | Other Orders(%) | Net Payment<br>Paid/Received for<br>Market Orders(USD) | Net Payment<br>Paid/Received for<br>Market Orders(cents<br>per hundred shares) |
|-----------------------------------|--------------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------|
|-----------------------------------|--------------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------|



|       |    |       |   |   |
|-------|----|-------|---|---|
| 8.36  | 20 | 37.74 | 0 | 0 |
| 30.27 | 31 | 58.49 | 0 | 0 |
| 0.00  | 0  | 0.00  | 0 | 0 |
| 4.18  | 0  | 0.00  | 0 | 0 |
| 1.00  | 0  | 0.00  | 0 | 0 |
| 23.75 | 0  | 0.00  | 0 | 0 |
| 20.23 | 0  | 0.00  | 0 | 0 |
| 0.17  | 0  | 0.00  | 0 | 0 |
| 7.69  | 0  | 0.00  | 0 | 0 |
| 1.67  | 2  | 3.77  | 0 | 0 |

|                           |                             |
|---------------------------|-----------------------------|
|                           | <b>Other Orders as % of</b> |
| <b>Total Other Orders</b> | <b>Non-Directed Orders</b>  |
| 52                        | 1.50                        |

|                        |                     |                        |                           |                            |
|------------------------|---------------------|------------------------|---------------------------|----------------------------|
| <b>Non-Marketable</b>  |                     |                        | <b>Net Payment</b>        | <b>Net Payment</b>         |
| <b>Limit Orders(%)</b> | <b>Other Orders</b> | <b>Other Orders(%)</b> | <b>Paid/Received for</b>  | <b>Paid/Received for</b>   |
|                        |                     |                        | <b>Market Orders(USD)</b> | <b>Market Orders(cents</b> |
|                        |                     |                        |                           | <b>per hundred shares)</b> |

|       |    |       |   |   |
|-------|----|-------|---|---|
| 0.00  | 0  | 0.00  | 0 | 0 |
| 42.04 | 0  | 0.00  | 0 | 0 |
| 3.74  | 35 | 67.31 | 0 | 0 |
| 8.12  | 16 | 30.77 | 0 | 0 |
| 1.16  | 0  | 0.00  | 0 | 0 |
| 16.72 | 0  | 0.00  | 0 | 0 |
| 14.87 | 0  | 0.00  | 0 | 0 |
| 0.73  | 0  | 0.00  | 0 | 0 |
| 5.91  | 0  | 0.00  | 0 | 0 |
| 0.22  | 0  | 0.00  | 0 | 0 |

|                           |                             |
|---------------------------|-----------------------------|
|                           | <b>Other Orders as % of</b> |
| <b>Total Other Orders</b> | <b>Non-Directed Orders</b>  |
| 106                       | 10.01                       |

| <b>Non-Marketable<br/>Limit Orders(%)</b> | <b>Other Orders</b> | <b>Other Orders(%)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Market Orders(cents<br/>per hundred shares)</b> |
|-------------------------------------------|---------------------|------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 32.57                                     | 0                   | 0.00                   | 0                                                               | 0                                                                                        |

|       |   |      |   |   |
|-------|---|------|---|---|
| 28.62 | 0 | 0.00 | 0 | 0 |
| 31.65 | 0 | 0.00 | 0 | 0 |
| 5.05  | 0 | 0.00 | 0 | 0 |
| 0.92  | 0 | 0.00 | 0 | 0 |
| 1.19  | 0 | 0.00 | 0 | 0 |

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| Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(USD) | Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(USD) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(cents<br>per hundred shares) | Net Payment<br>Paid/Received for<br>Other Orders(USD) |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|
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| Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(USD) | Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(USD) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(cents<br>per hundred shares) | Net Payment<br>Paid/Received for<br>Other Orders(USD) |
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| Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(USD) | Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(USD) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(cents<br>per hundred shares) | Net Payment<br>Paid/Received for<br>Other Orders(USD) |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |
|                                                                     | 0                                                                                           | 0                                                                       | 0                                                                                               | 0                                                     |

| Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(USD) | Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(USD) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(cents<br>per hundred shares) | Net Payment<br>Paid/Received for<br>Other Orders(USD) |
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|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Net Payment<br/>Paid/Received for<br/>Marketable Limit<br/>Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Marketable Limit<br/>Orders(cents per<br/>hundred shares)</b> | <b>Net Payment<br/>Paid/Received for<br/>Non-Marketable<br/>Limit Orders(USD)</b> | <b>Net Payment<br/>Paid/Received for<br/>Non-Marketable<br/>Limit Orders(cents<br/>per hundred shares)</b> | <b>Net Payment<br/>Paid/Received for<br/>Other Orders(USD)</b> |
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| 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 |

| Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(USD) | Net Payment<br>Paid/Received for<br>Marketable Limit<br>Orders(cents per<br>hundred shares) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(USD) | Net Payment<br>Paid/Received for<br>Non-Marketable<br>Limit Orders(cents<br>per hundred shares) | Net Payment<br>Paid/Received for<br>Other Orders(USD) |
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**Net Payment  
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Other Orders(cents  
per hundred shares)**

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Paid/Received for  
Other Orders(cents  
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**Net Payment  
Paid/Received for  
Other Orders(cents  
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