

# Spiderrock EXS, LLC - Held NMS Stocks and Options Order Routing Public Report

Generated on Thu Apr 27 2023 07:28:36 GMT-0500 (Central Daylight Time)

1st Quarter, 2023

January 2023

## S&P 500 Stocks

### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 4.82                                   | 0.01                                      | 71.70   | 28.30   | 0.00                                     |

### Venues

| Venue - Non-directed Order Flow      | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|--------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| CBOE EDGA OPTIONS EXCHANGE (EDGA)    | 2.90                    | 0.01              | 3.58                        | 0.11                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)          | 11.18                   | 0.00              | 12.02                       | 3.16                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS) | 7.48                    | 0.00              | 4.63                        | 0.11                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE ARCA (ARCX)                     | 14.35                   | 0.01              | 14.93                       | 16.00                           | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)    | 4.10                    | 0.00              | 4.79                        | 1.64                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY)    | 0.81                    | 0.00              | 1.00                        | 0.05                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)    | 2.99                    | 0.00              | 3.39                        | 1.83                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| INVESTORS EXCHANGE (IEXG)            | 3.85                    | 0.00              | 4.78                        | 0.10                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE MKT LLC (XASE)             | 8.19                    | 0.01              | 7.43                        | 15.02                           | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)            | 0.50                    | 0.00              | 0.63                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)           | 0.40                    | 0.00              | 0.43                        | 0.38                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)      | 0.34                    | 0.00              | 0.43                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO) | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)           | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)          | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

#### Material Aspects:

##### CBOE EDGA OPTIONS EXCHANGE (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

##### NASDAQ - ALL MARKETS (XNAS):

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### NEW YORK STOCK EXCHANGE, INC. (XNYS):

XNYS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### NYSE ARCA (ARCX):

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### CBOE BATS OPTIONS EXCHANGE (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

##### CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### INVESTORS EXCHANGE (IEXG):

IEXG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

##### NYSE MKT LLC (XASE):

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX BX (XBOS):**

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX PSX (XPSX):**

XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

**NYSE NATIONAL, INC. (XCIS):**

XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

**CBOE GLOBAL MARKETS INC. (XCBO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**MIAX XMIO, LLC (XMIO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**NASDAQ OMX PHLX (XPHL):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

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## January 2023

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### Non-S&P 500 Stocks

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 4.93                                   | 0.12                                      | 71.70   | 28.30   | 0.00                                     |

#### Venues

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE ARCA (ARCX)                  | 12.21                   | 0.03              | 16.88                       | 9.27                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY) | 1.00                    | 0.02              | 1.51                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGA OPTIONS EXCHANGE (EDGA) | 2.88                    | 0.26              | 4.03                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| INVESTORS EXCHANGE (IEXG)         | 3.42                    | 0.01              | 5.25                        | 0.02                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow      | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|--------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE MKT LLC (XASE)                  | 5.34                    | 0.01              | 6.08                        | 8.88                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)                 | 0.47                    | 0.01              | 0.71                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)           | 0.36                    | 0.01              | 0.53                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)          | 16.91                   | 0.01              | 11.35                       | 1.80                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS) | 12.72                   | 0.00              | 2.32                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)    | 3.99                    | 0.01              | 5.96                        | 0.97                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)    | 2.72                    | 0.01              | 4.01                        | 0.92                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)                | 0.43                    | 0.00              | 0.58                        | 0.46                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)      | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)                | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)               | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

#### Material Aspects:

##### NYSE ARCA (ARCX):

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### CBOE EDGA OPTIONS EXCHANGE (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

##### INVESTORS EXCHANGE (IEGX):

IEGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

##### NYSE MKT LLC (XASE):

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### NASDAQ OMX BX (XBOS):

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

NYSE NATIONAL, INC. (XCIS):  
XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

NASDAQ - ALL MARKETS (XNAS):  
XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

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BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

CBOE EDGX OPTIONS EXCHANGE (EDGX):  
EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

NASDAQ OMX PSX (XPSX):  
XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

CBOE GLOBAL MARKETS INC. (XCBO):  
The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

MIA XMI, LLC (XMIO):  
The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

NASDAQ OMX PHLX (XPHL):  
The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

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## January 2023

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### Options

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 90.25                                  | 0.68                                      | 71.70   | 28.30   | 0.00                                     |

### Venues

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE ARCA OPTIONS (ARCO)          | 42.49                   | 0.37              | 45.84                       | 39.16                           | 0.00             | 3,787.85   | 43.0438   | 99,128.45  | 37.1407   | 295,901.52   | 43.3619   | 0.00  | 0.0000   |
| NASDAQ OMX BX OPTIONS (XBXX)      | 4.30                    | 0.01              | 4.28                        | 4.92                            | 0.00             | 166.66   | 41.6650   | 36,881.37  | 48.0226   | 23,333.87  | 77.0095   | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)   | 8.27                    | 0.00              | 5.04                        | 5.79                            | 0.00             | 15,333.44  | 47.0351   | 51,472.37  | 61.2038   | 48,058.76  | 58.4656   | 0.00  | 0.0000   |
| ISE (XISE)                        | 2.53                    | 0.01              | 2.56                        | 2.78                            | 0.00             | 46.02  | 46.0200   | 16,437.27  | 31.7936   | 8,459.73   | 46.4820   | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)            | 0.49                    | 0.01              | 0.50                        | 0.52                            | 0.00             | 14.40  | 0.0000  | 7,138.56   | 43.7948   | 1,210.81   | 28.1584   | 0.00  | 0.0000   |
| NYSE AMEX OPTIONS (AMXO)          | 0.22                    | 0.00              | 0.24                        | 0.21                            | 0.00             | 0.00   | 0.0000  | 9,580.55   | 46.7344   | 366.41   | 45.8013   | 0.00  | 0.0000   |
| CBOE BATO OPTIONS EXCHANGE (BATO) | 6.12                    | 0.00              | 5.82                        | 7.67                            | 0.00             | 0.00   | 0.0000  | 32,043.57  | 51.1878   | 7,803.14   | 36.9817   | 0.00  | 0.0000   |
| CBOE EDGO OPTIONS EXCHANGE (EDGO) | 0.51                    | 0.00              | 0.60                        | 0.36                            | 0.00             | 0.00   | 0.0000  | 10,158.89  | 45.5556   | 8,288.41   | 53.4736   | 0.00  | 0.0000   |
| MIAX EMERALD, LLC (EMLD)          | 4.90                    | 0.00              | 4.76                        | 5.92                            | 0.00             | 0.00   | 0.0000  | 5,714.35   | 54.4224   | 6,827.97   | 40.1645   | 0.00  | 0.0000   |
| ISE GMNI EXCHANGE (GMNI)          | 2.17                    | 0.00              | 1.71                        | 3.56                            | 0.00             | 0.00   | 0.0000  | 5,842.00   | 52.1607   | 1,295.48   | 22.7277   | 0.00  | 0.0000   |
| MIAX PEARL, LLC (MPRL)            | 4.41                    | 0.00              | 4.16                        | 5.61                            | 0.00             | 0.00   | 0.0000  | 86,618.78  | 50.7136   | 6,053.29   | 39.5640   | 0.00  | 0.0000   |
| BOX OPTIONS EXCHANGE (XBOX)       | 0.17                    | 0.00              | 0.15                        | 0.26                            | 0.00             | 0.00   | 0.0000  | 5,421.93   | 49.2903   | 2,025.26   | 59.5665   | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)             | 0.46                    | 0.00              | 0.54                        | 0.31                            | 0.00             | 0.00   | 0.0000  | 7,736.36   | 51.5757   | 8,669.80   | 59.7917   | 0.00  | 0.0000   |
| NASDAQ OPTIONS MARKET (XNDQ)      | 8.07                    | 0.00              | 9.59                        | 5.59                            | 0.00             | 0.00   | 0.0000  | 69,215.19  | 41.4959   | 59,162.96  | 71.7997   | 0.00  | 0.0000   |
| ISE MERCURY, LLC (MCRY)           | 0.65                    | 0.00              | 0.86                        | 0.24                            | 0.00             | 0.00   | 0.0000  | 1,575.40   | 32.8208   | 262.80   | 43.8000   | 0.00  | 0.0000   |

#### Material Aspects:

##### NYSE ARCA OPTIONS (ARCO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### NASDAQ OMX BX OPTIONS (XBXX):



**NASDAQ OPTIONS MARKET (XNDQ):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**ISE MERCURY, LLC (MCRY):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

## February 2023

### S&P 500 Stocks

**Summary**

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 4.80                                   | 0.01                                      | 77.53   | 22.47   | 0.00                                     |

**Venues**

| Venue - Non-directed Order Flow      | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|--------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| CBOE EDGA OPTIONS EXCHANGE (EDGA)    | 3.02                    | 0.01              | 3.57                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)          | 11.59                   | 0.00              | 12.71                       | 0.75                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS) | 5.70                    | 0.00              | 3.39                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE ARCA (ARCX)                     | 8.10                    | 0.01              | 9.03                        | 4.15                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)    | 3.43                    | 0.00              | 4.01                        | 0.34                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY)    | 0.60                    | 0.00              | 0.71                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)    | 2.25                    | 0.00              | 2.61                        | 0.49                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |



| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| INVESTORS EXCHANGE (IEXG)         | 3.76                    | 0.00              | 4.47                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE MKT LLC (XASE)               | 2.46                    | 0.00              | 2.28                        | 4.47                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)              | 0.53                    | 0.00              | 0.63                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)             | 0.46                    | 0.00              | 0.47                        | 0.55                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)        | 0.13                    | 0.00              | 0.15                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)   | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)            | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGO OPTIONS EXCHANGE (EDGO) | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

#### Material Aspects:

##### CBOE EDGA OPTIONS EXCHANGE (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

##### NASDAQ - ALL MARKETS (XNAS):

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### NEW YORK STOCK EXCHANGE, INC. (XNYS):

XNYS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### NYSE ARCA (ARCX):

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

##### CBOE BATS OPTIONS EXCHANGE (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

##### CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

##### INVESTORS EXCHANGE (IEXG):

IEGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

**NYSE MKT LLC (XASE):**

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX BX (XBOS):**

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2> . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX PSX (XPSX):**

XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

**NYSE NATIONAL, INC. (XCIS):**

XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

**CBOE GLOBAL MARKETS INC. (XCBO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**NASDAQ OMX PHLX (XPHL):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**CBOE EDGO OPTIONS EXCHANGE (EDGO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

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## February 2023

### Non-S&P 500 Stocks

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 4.06                                   | 0.08                                      | 77.53   | 22.47   | 0.00                                     |

#### Venues

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE ARCA (ARCX)                  | 8.71                    | 0.03              | 11.82                       | 4.80                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGA OPTIONS EXCHANGE (EDGA) | 2.69                    | 0.22              | 3.63                        | 0.16                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow       | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| INVESTORS EXCHANGE (IEXG)             | 3.25                    | 0.01              | 4.77                        | 0.09                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE MKT LLC (XASE)                   | 3.25                    | 0.01              | 3.42                        | 4.06                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)                  | 0.43                    | 0.01              | 0.63                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)           | 15.51                   | 0.00              | 10.95                       | 1.13                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS)  | 11.62                   | 0.00              | 2.58                        | 0.08                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)     | 2.91                    | 0.00              | 4.18                        | 0.67                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY)     | 0.71                    | 0.02              | 1.01                        | 0.10                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)     | 2.21                    | 0.01              | 3.17                        | 0.56                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)            | 0.25                    | 0.01              | 0.36                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)                 | 0.47                    | 0.00              | 0.58                        | 0.65                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)       | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGO OPTIONS EXCHANGE (EDGO)     | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| LONG-TERM STOCK EXCHANGE, INC. (LTSE) | 0.01                    | 0.01              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)                 | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)                | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

#### Material Aspects:

##### NYSE ARCA (ARCX):

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**CBOE EDGA OPTIONS EXCHANGE (EDGA):**

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

**INVESTORS EXCHANGE (IEXG):**

IEXG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

**NYSE MKT LLC (XASE):**

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX BX (XBOS):**

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2> . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ - ALL MARKETS (XNAS):**

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2> . The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**NEW YORK STOCK EXCHANGE, INC. (XNYS):**

XNYS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**CBOE BATS OPTIONS EXCHANGE (BATS):**

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

**CBOE BATY OPTIONS EXCHANGE (BATY):**

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/) . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**CBOE EDGX OPTIONS EXCHANGE (EDGX):**

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/) . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NYSE NATIONAL, INC. (XCIS):**

XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

**NASDAQ OMX PSX (XPSX):**

XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

**CBOE GLOBAL MARKETS INC. (XCBO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**CBOE EDGO OPTIONS EXCHANGE (EDGO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**LONG-TERM STOCK EXCHANGE, INC. (LTSE):**

Note regarding Payment for Order Flow Practices The Firm, in its efforts to seek best execution, routes client orders to national securities exchanges, alternative trading systems (ATSs), including electronic communications networks (ECNs) and other market centers. The Firm may accept payment for order flow for these client orders from the executing broker who is responsible for market access. Payment for order flow or tier consideration does not influence the routing decision of the Firm since the Firm routing logic relies exclusively on base tiers with no inclusion of payment for order flow. Further information about the source and nature of payment for order flow received by the Firm will be provided upon your written request.

**MIAX XMIO, LLC (XMIO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**NASDAQ OMX PHLX (XPHL):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

## February 2023

### Options

#### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 91.14                                  | 0.00                                      | 77.53   | 22.47   | 0.00                                     |

#### Venues

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE AMEX OPTIONS (AMXO)          | 0.18                    | 0.00              | 0.16                        | 0.23                            | 0.00             | 0.00   | 0.0000  | 10,914.91  | 43.1419   | 308.42   | 34.2689   | 0.00  | 0.0000   |
| NYSE ARCA OPTIONS (ARCO)          | 39.05                   | 0.00              | 43.41                       | 27.41                           | 0.00             | 0.00   | 0.0000  | 88,680.75  | 36.5694   | 266,094.01   | 43.3519   | 0.00  | 0.0000   |
| CBOE BATO OPTIONS EXCHANGE (BATO) | 7.20                    | 0.00              | 7.27                        | 7.45                            | 0.00             | 0.00   | 0.0000  | 62,718.66  | 47.5502   | 6,670.34   | 31.6130   | 0.00  | 0.0000   |
| CBOE EDGO OPTIONS EXCHANGE (EDGO) | 0.36                    | 0.00              | 0.39                        | 0.31                            | 0.00             | 0.00   | 0.0000  | 10,963.92  | 42.4958   | 5,409.19   | 50.5532   | 0.00  | 0.0000   |
| MIAX EMERALD, LLC (EMLD)          | 4.09                    | 0.00              | 3.66                        | 5.80                            | 0.00             | 0.00   | 0.0000  | 6,413.53   | 45.8109   | 6,019.85   | 33.4436   | 0.00  | 0.0000   |
| ISE GMNI EXCHANGE (GMNI)          | 1.59                    | 0.00              | 1.41                        | 2.29                            | 0.00             | 0.00   | 0.0000  | 6,196.09   | 46.5871   | 1,450.83   | 29.0166   | 0.00  | 0.0000   |
| MIAX PEARL, LLC (MPRL)            | 2.79                    | 0.00              | 2.64                        | 3.50                            | 0.00             | 0.00   | 0.0000  | 92,328.64  | 50.0155   | 4,965.11   | 33.3229   | 0.00  | 0.0000   |
| BOX OPTIONS EXCHANGE (XBOX)       | 0.11                    | 0.00              | 0.08                        | 0.20                            | 0.00             | 0.00   | 0.0000  | 5,951.00   | 44.0815   | 1,053.99   | 52.6995   | 0.00  | 0.0000   |
| NASDAQ OMX BX OPTIONS (XBXO)      | 2.09                    | 0.00              | 2.24                        | 1.75                            | 0.00             | 0.00   | 0.0000  | 14,797.18  | 34.4923   | 13,048.65  | 57.4830   | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)   | 5.52                    | 0.00              | 3.64                        | 5.14                            | 0.00             | 0.00   | 0.0000  | 42,561.52  | 57.5934   | 27,942.86  | 55.0056   | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| ISE (XISE)                      | 1.49                    | 0.00              | 1.46                        | 1.69                            | 0.00             | 0.00   | 0.0000  | 17,817.72  | 34.8683   | 5,560.68   | 41.8096   | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)           | 0.31                    | 0.00              | 0.31                        | 0.31                            | 0.00             | 0.00   | 0.0000  | 6,147.13   | 48.0245   | 4,474.48   | 57.3651   | 0.00  | 0.0000   |
| NASDAQ OPTIONS MARKET (XNDQ)    | 12.99                   | 0.00              | 15.30                       | 6.29                            | 0.00             | 0.00   | 0.0000  | 70,818.14  | 45.1358   | 55,380.21  | 73.1575   | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)          | 0.44                    | 0.00              | 0.44                        | 0.50                            | 0.00             | 0.00   | 0.0000  | 6,430.07   | 45.6033   | 743.71   | 20.6586   | 0.00  | 0.0000   |
| ISE MERCURY, LLC (MCRY)         | 0.57                    | 0.00              | 0.63                        | 0.40                            | 0.00             | 0.00   | 0.0000  | 2,147.25   | 37.0216   | 385.85   | 48.2313   | 0.00  | 0.0000   |

### Material Aspects:

#### NYSE AMEX OPTIONS (AMXO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### NYSE ARCA OPTIONS (ARCO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### CBOE BATO OPTIONS EXCHANGE (BATO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### CBOE EDGO OPTIONS EXCHANGE (EDGO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### MIAX EMERALD, LLC (EMLD):

EMLD has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.miaxoptions.com/sites/default/files/fee\\_schedule-files/MIAX\\_Emerald\\_Fee\\_Schedule\\_01012023\\_1.pdf](https://www.miaxoptions.com/sites/default/files/fee_schedule-files/MIAX_Emerald_Fee_Schedule_01012023_1.pdf). For Options: The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### ISE GMNI EXCHANGE (GMNI):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### MIAX PEARL, LLC (MPRL):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### BOX OPTIONS EXCHANGE (XBOX):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>



| Venue - Non-directed Order Flow      | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|--------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| CBOE EDGA OPTIONS EXCHANGE (EDGA)    | 3.09                    | 0.01              | 3.64                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)          | 9.47                    | 0.00              | 10.56                       | 0.57                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS) | 4.99                    | 0.00              | 3.74                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE ARCA (ARCX)                     | 7.37                    | 0.00              | 8.33                        | 2.49                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)    | 3.53                    | 0.00              | 4.13                        | 0.21                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY)    | 0.60                    | 0.00              | 0.70                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)    | 2.14                    | 0.00              | 2.49                        | 0.27                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| INVESTORS EXCHANGE (IEGX)            | 3.83                    | 0.00              | 4.53                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE MKT LLC (XASE)                  | 1.47                    | 0.00              | 1.40                        | 2.16                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)                 | 0.41                    | 0.00              | 0.49                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)           | 0.18                    | 0.00              | 0.21                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)                | 0.46                    | 0.00              | 0.46                        | 0.56                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)               | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)      | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)                | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

**Material Aspects:**

CBOE EDGA OPTIONS EXCHANGE (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

NASDAQ - ALL MARKETS (XNAS):



XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2> . The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**NEW YORK STOCK EXCHANGE, INC. (XNYS):**

XNYS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**NYSE ARCA (ARCX):**

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**CBOE BATS OPTIONS EXCHANGE (BATS):**

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

**CBOE BATY OPTIONS EXCHANGE (BATY):**

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/) . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**CBOE EDGX OPTIONS EXCHANGE (EDGX):**

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/) . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**INVESTORS EXCHANGE (IEGX):**

IEGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

**NYSE MKT LLC (XASE):**

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NASDAQ OMX BX (XBOS):**

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2> . The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

**NYSE NATIONAL, INC. (XCIS):**

XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

**NASDAQ OMX PSX (XPSX):**

XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

**NASDAQ OMX PHLX (XPHL):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**CBOE GLOBAL MARKETS INC. (XCBO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**MIAX XMIO, LLC (XMIO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

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**March 2023**

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## Non-S&P 500 Stocks

### Summary

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 3.76                                   | 0.07                                      | 75.23   | 24.77   | 0.00                                     |

### Venues

| Venue - Non-directed Order Flow      | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|--------------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| NYSE ARCA (ARCX)                     | 9.62                    | 0.01              | 13.07                       | 5.68                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATY OPTIONS EXCHANGE (BATY)    | 1.07                    | 0.02              | 1.59                        | 0.02                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGA OPTIONS EXCHANGE (EDGA)    | 2.80                    | 0.24              | 3.87                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE EDGX OPTIONS EXCHANGE (EDGX)    | 2.33                    | 0.01              | 3.28                        | 0.97                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| INVESTORS EXCHANGE (IEGX)            | 3.41                    | 0.01              | 5.14                        | 0.03                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE MKT LLC (XASE)                  | 2.20                    | 0.01              | 2.41                        | 2.93                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX BX (XBOS)                 | 0.36                    | 0.01              | 0.54                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ - ALL MARKETS (XNAS)          | 13.66                   | 0.01              | 9.33                        | 0.84                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NEW YORK STOCK EXCHANGE, INC. (XNYS) | 10.87                   | 0.00              | 2.80                        | 0.04                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE BATS OPTIONS EXCHANGE (BATS)    | 3.22                    | 0.00              | 4.66                        | 0.88                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NYSE NATIONAL, INC. (XCIS)           | 0.29                    | 0.01              | 0.44                        | 0.01                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PSX (XPSX)                | 0.49                    | 0.00              | 0.59                        | 0.64                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| CBOE GLOBAL MARKETS INC. (XCBO)      | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| MIAX XMIO, LLC (XMIO)           | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)          | 0.00                    | 0.00              | 0.00                        | 0.00                            | 0.00             | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00   | 0.0000  | 0.00  | 0.0000   |

### Material Aspects:

#### NYSE ARCA (ARCX):

ARCX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

#### CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

#### CBOE EDGA OPTIONS EXCHANGE (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

#### CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/). The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

#### INVESTORS EXCHANGE (IEXG):

IEXG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://storage.googleapis.com/assets-bucket/exchange/assets/IEX\\_Exchange\\_Fee\\_Schedule\\_Current.pdf](https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf)

#### NYSE MKT LLC (XASE):

XASE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf) The Firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

#### NASDAQ OMX BX (XBOS):

XBOS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

#### NASDAQ - ALL MARKETS (XNAS):

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <http://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>. The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### NEW YORK STOCK EXCHANGE, INC. (XNYS):

XNYS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf). The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

#### CBOE BATS OPTIONS EXCHANGE (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

#### NYSE NATIONAL, INC. (XCIS):

XCIS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.nyse.com/markets/nyse-national>

#### NASDAQ OMX PSX (XPSX):

XPSX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [http://www.nasdaqtrader.com/Trader.aspx?id=PSX\\_Pricing](http://www.nasdaqtrader.com/Trader.aspx?id=PSX_Pricing)

#### CBOE GLOBAL MARKETS INC. (XCBO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

**MIAX XMIO, LLC (XMIO):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**NASDAQ OMX PHLX (XPHL):**

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>

**March 2023**

**Options**

**Summary**

| Non-Directed Orders as % of All Orders | Market Orders as % of Non-Directed Orders | Marketable Limit Orders as % of Non-Directed Orders | Non-Marketable Limit Orders as % of Non-Directed Orders | Other Orders as % of Non-Directed Orders |
|--|---|---|---|--|
| 91.46                                  | 0.01                                      | 75.23   | 24.77   | 0.00                                     |

**Venues**

| Venue - Non-directed Order Flow   | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|-----------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| CBOE GLOBAL MARKETS INC. (XCBO)   | 8.80                    | 0.00              | 4.66                        | 5.41                            | 0.00             | 0.00   | 0.0000  | 60,953.45  | 50.0028   | 37,600.97  | 54.7321   | 0.00  | 0.0000   |
| NYSE AMEX OPTIONS (AMXO)          | 0.18                    | 0.00              | 0.12                        | 0.36                            | 0.00             | 0.00   | 0.0000  | 8,716.50   | 39.0874   | 427.00   | 35.5833   | 0.00  | 0.0000   |
| NYSE ARCA OPTIONS (ARCO)          | 42.96                   | 0.00              | 47.77                       | 36.24                           | 0.00             | 0.00   | 0.0000  | 109,508.82   | 38.0371   | 235,126.31   | 43.9653   | 0.00  | 0.0000   |
| CBOE BATO OPTIONS EXCHANGE (BATO) | 7.49                    | 0.01              | 6.89                        | 10.51                           | 0.00             | 0.00   | 0.0000  | 64,439.30  | 48.5601   | 6,037.97   | 29.4535   | 0.00  | 0.0000   |
| CBOE EDGO OPTIONS EXCHANGE (EDGO) | 0.28                    | 0.00              | 0.31                        | 0.24                            | 0.00             | 0.00   | 0.0000  | 13,225.77  | 42.9408   | 5,824.44   | 52.9495   | 0.00  | 0.0000   |
| MIAX EMERALD, LLC (EMLD)          | 6.52                    | 0.00              | 5.58                        | 10.35                           | 0.00             | 0.00   | 0.0000  | 7,582.68   | 41.2102   | 5,137.31   | 31.5172   | 0.00  | 0.0000   |
| ISE GMNI EXCHANGE (GMNI)          | 1.47                    | 0.00              | 1.35                        | 2.05                            | 0.00             | 0.00   | 0.0000  | 6,420.10   | 49.3854   | 1,141.61   | 27.8441   | 0.00  | 0.0000   |
| MIAX PEARL, LLC (MPRL)            | 3.91                    | 0.00              | 3.45                        | 5.90                            | 0.00             | 0.00   | 0.0000  | 90,220.70  | 51.4078   | 7,683.01   | 39.8083   | 0.00  | 0.0000   |

| Venue - Non-directed Order Flow | Non-Directed Orders (%) | Market Orders (%) | Marketable Limit Orders (%) | Non-Marketable Limit Orders (%) | Other Orders (%) | Net Payment Paid/Received for Market Orders(USD) | Net Payment Paid/Received for Market Orders(cents per hundred shares) | Net Payment Paid/Received for Marketable Limit Orders(USD) | Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Non-Marketable Limit Orders(USD) | Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares) | Net Payment Paid/Received for Other Orders(USD) | Net Payment Paid/Received for Other Orders(cents per hundred shares) |
|---------------------------------|-------------------------|-------------------|-----------------------------|---------------------------------|------------------|--|---|--|---|--|---|---|--|
| BOX OPTIONS EXCHANGE (XBOX)     | 0.11                    | 0.00              | 0.07                        | 0.23                            | 0.00             | 0.00   | 0.0000  | 7,682.72   | 40.8655   | 1,499.97   | 59.9988   | 0.00  | 0.0000   |
| ISE (XISE)                      | 1.38                    | 0.01              | 1.26                        | 1.95                            | 0.00             | 0.00   | 0.0000  | 23,120.12  | 36.2384   | 5,678.27   | 43.0172   | 0.00  | 0.0000   |
| MIAX XMIO, LLC (XMIO)           | 0.32                    | 0.00              | 0.33                        | 0.36                            | 0.00             | 0.00   | 0.0000  | 7,697.01   | 47.5124   | 5,476.10   | 57.6432   | 0.00  | 0.0000   |
| NASDAQ OPTIONS MARKET (XNDQ)    | 11.16                   | 0.00              | 13.80                       | 5.38                            | 0.00             | 0.00   | 0.0000  | 71,845.40  | 46.3220   | 71,667.57  | 76.1611   | 0.00  | 0.0000   |
| NASDAQ OMX PHLX (XPHL)          | 0.45                    | 0.00              | 0.41                        | 0.65                            | 0.00             | 0.00   | 0.0000  | 8,396.32   | 43.9598   | 1,208.64   | 44.7644   | 0.00  | 0.0000   |
| NASDAQ OMX BX OPTIONS (XBXO)    | 0.96                    | 0.00              | 1.20                        | 0.43                            | 0.00             | 0.00   | 0.0000  | 16,115.27  | 45.5234   | 8,440.21   | 75.3590   | 0.00  | 0.0000   |
| ISE MERCURY, LLC (MCRY)         | 0.65                    | 0.00              | 0.79                        | 0.36                            | 0.00             | 0.00   | 0.0000  | 2,205.45   | 26.2554   | 362.15   | 40.2389   | 0.00  | 0.0000   |

#### Material Aspects:

##### CBOE GLOBAL MARKETS INC. (XCBO):

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##### NYSE AMEX OPTIONS (AMXO):

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##### NYSE ARCA OPTIONS (ARCO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### CBOE BATO OPTIONS EXCHANGE (BATO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### CBOE EDGO OPTIONS EXCHANGE (EDGO):

The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### MIAX EMERALD, LLC (EMLD):

EMLD has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.miaxoptions.com/sites/default/files/fee\\_schedule-files/MIAX\\_Emerald\\_Fee\\_Schedule\\_01012023\\_1.pdf](https://www.miaxoptions.com/sites/default/files/fee_schedule-files/MIAX_Emerald_Fee_Schedule_01012023_1.pdf). For Options: The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

##### ISE GMNI EXCHANGE (GMNI):

