

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

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2nd Quarter, 2025

April 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	91.05	8.95	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)	22.64	0.00	22.51	23.92	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	5.19	0.00	5.54	1.67	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	3.09	0.00	3.22	1.75	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	14.16	0.00	13.34	22.52	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	9.08	0.00	9.94	0.39	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.93	0.00	0.99	0.36	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	15.07	0.00	15.78	7.92	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	10.67	0.00	10.38	13.61	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	13.67	0.00	13.35	16.93	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)	1.29	0.00	0.89	5.27	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.62	0.00	0.67	0.10	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	2.12	0.00	2.31	0.22	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.35	0.00	0.38	0.06	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.15	0.00	0.16	0.01	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. 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>.

CBOE EDGX U.S. EQUITIES 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/. 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.

MIAX PEARL EQUITIES (EPRL):

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.

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. For more information please see <https://spiderrockexs.com/supplemental-reports/>.

MEMX LLC EQUITIES (MEMX):

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.

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. 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 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>.

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 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 BYX U.S. EQUITIES 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/ . 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 U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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/>. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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.

April 2025

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	74.05	25.95	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)	21.17	0.00	24.45	11.83	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	4.20	0.00	4.02	4.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.27	0.00	0.34	0.05	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	1.14	0.00	1.48	0.16	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	3.49	0.00	3.08	4.65	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	14.87	0.00	15.52	13.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	2.95	0.00	3.93	0.17	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	1.03	0.00	0.92	1.37	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 NATIONAL, INC. (XCIS)	0.12	0.00	0.15	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	13.30	0.00	11.76	17.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	13.52	0.00	15.29	8.46	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	22.61	0.00	17.77	36.41	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.64	0.00	0.75	0.33	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.06	0.00	0.08	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
MIAMI INTERNATIONAL SECURITIES EXCHANGE (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:

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 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE BYX U.S. EQUITIES EXCHANGE (BATY):

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CBOE EDGA U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX):

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MIAX PEARL EQUITIES (EPRL):

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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. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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 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/>. For more information please see <https://spiderrockexs.com/supplemental-reports/>

NASDAQ - ALL MARKETS (XNAS):

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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. 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 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

MEMX LLC EQUITIES (MEMX):

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NASDAQ OMX BX (XBOS):

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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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MIAMI INTERNATIONAL SECURITIES EXCHANGE (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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

April 2025

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
86.03	0.00	56.25	43.75	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 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)	0.07	0.00	0.07	0.10	0.00	0.00	0.0000	10,823.19	27.1939	885.50	16.1000	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 ARCA OPTIONS (ARCO)	41.95	0.00	43.90	55.00	0.00	0.00	0.0000	121,841.28	48.0068	99,312.30	49.2376	0.00	0.0000
CBOE BZX OPTIONS EXCHANGE (BATO)	2.41	0.00	3.05	2.49	0.00	0.00	0.0000	51,212.62	45.1213	10,312.66	31.7313	0.00	0.0000
CBOE C2 OPTIONS EXCHANGE (C2OX)	14.84	0.00	23.61	9.09	0.00	0.00	0.0000	48,323.15	27.4876	43,406.59	35.2612	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGO)	0.14	0.00	0.20	0.10	0.00	0.00	0.0000	24,513.90	33.5807	3,261.57	39.7752	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	1.03	0.00	1.44	0.87	0.00	0.00	0.0000	8,342.41	43.2249	9,213.78	34.5085	0.00	0.0000
ISE GEMINI EXCHANGE (GMNI)	0.26	0.00	0.30	0.32	0.00	0.00	0.0000	7,003.16	49.3180	3,206.19	37.7199	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.30	0.00	0.46	0.21	0.00	0.00	0.0000	19,008.45	26.9623	1,247.69	36.6968	0.00	0.0000
MIAX PEARL, LLC (MPRL)	0.31	0.00	0.56	0.11	0.00	0.00	0.0000	26,061.02	51.6060	2,669.76	33.3720	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.05	0.00	0.09	0.02	0.00	0.00	0.0000	22,818.30	19.2559	1,035.25	49.2976	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.20	0.00	0.29	0.16	0.00	0.00	0.0000	14,051.63	51.8510	8,182.13	87.9799	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	14.15	0.00	0.22	0.19	0.00	0.00	0.0000	60,504.78	45.6985	34,031.96	51.5636	0.00	0.0000
INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES (XISE)	1.98	0.00	3.59	0.65	0.00	0.00	0.0000	25,913.92	34.2324	2,657.76	21.2621	0.00	0.0000
MIAMI INTERNATIONAL SECURITIES EXCHANGE (XMIO)	0.30	0.00	0.45	0.21	0.00	0.00	0.0000	12,285.76	36.5648	703.92	46.9280	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	5.52	0.00	5.37	7.75	0.00	0.00	0.0000	88,812.62	46.1125	58,864.99	72.5832	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.82	0.00	1.53	0.21	0.00	0.00	0.0000	19,371.55	39.3731	3,940.32	49.2540	0.00	0.0000
MEMX LLC OPTIONS (MXOP)	15.60	0.00	14.81	22.41	0.00	0.00	0.0000	55,718.66	40.7300	76,733.82	53.9619	0.00	0.0000
MIAX SAPPHIRE, LLC (SPHR)	0.06	0.00	0.05	0.10	0.00	0.00	0.0000	7,869.70	50.1255	679.64	45.3093	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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE BZX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE C2 OPTIONS EXCHANGE (C2OX):

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.

CBOE EDGX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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. 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

ISE GEMINI 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

NASDAQ OMX BX OPTIONS (XBXO):

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE GLOBAL MARKETS INC. (XCBO):

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)	23.13	0.00	23.38	21.21	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	5.03	0.00	5.50	1.32	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	15.23	0.00	13.33	30.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	9.39	0.00	10.59	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	14.08	0.00	15.09	6.14	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	13.89	0.00	13.25	18.92	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.50	0.00	0.56	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	1.83	0.00	2.06	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	3.28	0.00	3.53	1.34	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.92	0.00	1.00	0.32	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	0.86	0.00	0.68	2.27	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	10.71	0.00	10.10	15.47	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.30	0.00	0.34	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.11	0.00	0.13	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX SAPPHIRE, LLC (SPHR)	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 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

MIAX PEARL EQUITIES (EPRL):

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.

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. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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/>

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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE BYX U.S. EQUITIES 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/. 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 U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGX U.S. EQUITIES 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/. 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.

MEMX LLC EQUITIES (MEMX):

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.

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 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.

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. 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 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/>. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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.

MIAX SAPPHIRE, LLC (SPHR):

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.

May 2025

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.01	68.03	31.97	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)	21.33	0.01	25.37	12.75	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	3.80	0.00	3.55	4.32	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.87	0.00	1.13	0.31	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	3.43	0.00	2.98	4.37	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	17.33	0.00	17.94	16.05	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	1.76	0.00	2.55	0.07	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.82	0.00	0.71	1.04	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	0.86	0.00	0.86	0.88	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	11.45	0.00	9.69	15.20	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	13.66	0.00	16.10	8.49	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	24.18	0.00	18.57	36.13	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.19	0.00	0.25	0.04	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.04	0.00	0.05	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.09	0.00	0.11	0.04	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	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
MIAMI INTERNATIONAL SECURITIES EXCHANGE (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
MIAX SAPPHIRE, LLC (SPHR)	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

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 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGA U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGX U.S. EQUITIES 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/. 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.

MIAX PEARL EQUITIES (EPRL):

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.

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. For more information please see <https://spiderrockexs.com/supplemental-reports/>

MEMX LLC EQUITIES (MEMX):

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.

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 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. 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 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE BYX U.S. EQUITIES 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/. 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/>. For more information please see <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 . 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/> All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MIAMI INTERNATIONAL SECURITIES EXCHANGE (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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MIAX SAPPHIRE, LLC (SPHR):

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

May 2025

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
94.13	0.00	56.05	43.95	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)	0.13	0.00	0.07	0.22	0.00	0.00	0.0000	10,879.32	31.9042	309.82	30.9820	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	49.63	0.00	46.43	60.76	0.00	0.00	0.0000	121,009.86	43.5601	94,773.17	44.7254	0.00	0.0000
CBOE BZX OPTIONS EXCHANGE (BATO)	2.11	0.00	2.72	1.64	0.00	0.00	0.0000	50,364.66	47.2908	7,195.21	33.1576	0.00	0.0000
CBOE C2 OPTIONS EXCHANGE (C2OX)	14.93	0.00	22.99	6.76	0.00	0.00	0.0000	48,871.03	30.2420	43,036.22	39.0528	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGO)	0.09	0.00	0.10	0.09	0.00	0.00	0.0000	21,355.00	31.0392	765.47	36.4510	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	1.07	0.00	1.04	1.25	0.00	0.00	0.0000	8,766.87	46.6323	9,387.59	36.1061	0.00	0.0000
ISE GEMINI EXCHANGE (GMNI)	0.45	0.00	0.37	0.62	0.00	0.00	0.0000	7,919.63	47.9978	3,085.93	35.0674	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 MERCURY, LLC (MCRY)	0.16	0.00	0.22	0.10	0.00	0.00	0.0000	12,538.34	16.8753	259.92	5.3045	0.00	0.0000
MIAX PEARL, LLC (MPRL)	0.18	0.00	0.28	0.09	0.00	0.00	0.0000	27,352.65	52.1003	2,662.70	42.9468	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.08	0.00	0.12	0.04	0.00	0.00	0.0000	16,509.20	12.9789	923.15	48.5868	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.42	0.00	0.50	0.36	0.00	0.00	0.0000	19,331.05	51.1403	4,889.32	77.6083	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	6.08	0.00	0.24	0.23	0.00	0.00	0.0000	42,768.41	36.0611	15,977.02	51.7056	0.00	0.0000
INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES (XISE)	0.73	0.00	1.07	0.39	0.00	0.00	0.0000	21,492.19	33.9529	2,759.76	26.2834	0.00	0.0000
MIAMI INTERNATIONAL SECURITIES EXCHANGE (XMIO)	0.17	0.00	0.17	0.21	0.00	0.00	0.0000	12,855.48	34.3729	1,127.17	37.5723	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	5.47	0.00	5.31	6.44	0.00	0.00	0.0000	91,094.70	47.5442	49,041.07	67.1795	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.26	0.00	0.32	0.22	0.00	0.00	0.0000	18,656.63	34.6134	3,508.86	48.7342	0.00	0.0000
MEMX LLC OPTIONS (MXOP)	17.93	0.00	17.96	20.44	0.00	0.00	0.0000	55,102.16	42.0627	45,858.52	54.7238	0.00	0.0000
MIAX SAPPHIRE, LLC (SPHR)	0.10	0.00	0.08	0.15	0.00	0.00	0.0000	8,036.24	51.1862	224.68	44.9360	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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE BZX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE C2 OPTIONS EXCHANGE (C2OX):

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.

CBOE EDGX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MEMX LLC OPTIONS (MXOP):

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 SAPPHERE, LLC (SPHR):

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.

June 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	83.43	16.57	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)	22.81	0.00	23.05	21.64	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	3.97	0.00	4.50	1.31	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	2.25	0.00	2.69	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.70	0.00	2.93	1.52	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	20.44	0.00	17.71	34.19	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 (IEGX)	5.97	0.00	7.16	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.82	0.00	0.92	0.28	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	1.33	0.00	0.92	3.38	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	12.60	0.00	13.91	6.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	10.13	0.00	9.72	12.21	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	15.79	0.00	15.15	19.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.46	0.00	0.56	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.09	0.00	0.10	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.34	0.00	0.41	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 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGA U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGX U.S. EQUITIES 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/. 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.

MIAX PEARL EQUITIES (EPRL):

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.

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. For more information please see <https://spiderrockexs.com/supplemental-reports/>

MEMX LLC EQUITIES (MEMX):

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.

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 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. 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 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE BYX U.S. EQUITIES 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/ . 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/>. For more information please see <https://spiderrockexs.com/supplemental-reports/>

June 2025

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	66.09	33.91	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)	22.81	0.00	26.27	16.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	3.17	0.00	2.98	3.53	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.57	0.00	0.82	0.07	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)
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	3.00	0.00	2.72	3.53	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL EQUITIES (EPRL)	20.50	0.00	20.11	21.24	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	1.04	0.00	1.58	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	0.75	0.00	0.70	0.85	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.07	0.00	0.10	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	9.25	0.00	7.70	12.28	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	13.48	0.00	16.01	8.54	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	24.34	0.00	20.06	32.69	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC EQUITIES (MEMX)	0.79	0.00	0.63	1.09	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.12	0.00	0.18	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.02	0.00	0.03	0.01	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 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 BZX U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGA U.S. EQUITIES 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

CBOE EDGX U.S. EQUITIES 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/. 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.

MIAX PEARL EQUITIES (EPRL):

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.

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. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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 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/>. For more information please see <https://spiderrockexs.com/supplemental-reports/>

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. 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 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/. For more information please see <https://spiderrockexs.com/supplemental-reports/>

MEMX LLC EQUITIES (MEMX):

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.

CBOE BYX U.S. EQUITIES 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/ . 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.

June 2025

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
93.35	0.00	65.44	34.56	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)	0.09	0.00	0.07	0.17	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 ARCA OPTIONS (ARCO)	59.02	0.00	60.32	68.74	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX OPTIONS EXCHANGE (BATO)	2.57	0.00	3.05	2.18	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE C2 OPTIONS EXCHANGE (C2OX)	8.09	0.00	10.12	5.92	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGO)	0.08	0.00	0.08	0.10	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	1.42	0.00	1.24	2.07	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
ISE GEMINI EXCHANGE (GMNI)	0.74	0.00	0.57	1.22	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.12	0.00	0.13	0.11	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX PEARL, LLC (MPRL)	0.38	0.00	0.46	0.31	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.06	0.00	0.08	0.05	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	3.44	0.00	4.20	2.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	6.81	0.00	0.13	0.27	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES (XISE)	0.65	0.00	0.70	0.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAMI INTERNATIONAL SECURITIES EXCHANGE (XMIO)	0.16	0.00	0.14	0.24	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	5.39	0.00	6.87	3.69	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.18	0.00	0.16	0.25	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MEMX LLC OPTIONS (MXOP)	10.73	0.00	11.66	11.19	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX SAPPHIRE, LLC (SPHR)	0.04	0.00	0.03	0.09	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE BZX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

CBOE C2 OPTIONS EXCHANGE (C2OX):

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.

CBOE EDGX 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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. 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

ISE GEMINI 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

NASDAQ OMX BX OPTIONS (XBXO):

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES (XISE):

XISE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>. 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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MIAMI INTERNATIONAL SECURITIES EXCHANGE (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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

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/>. All transactions facilitated by SpiderRock ATS occur through the submitted auction facilities of registered options exchanges.

MEMX LLC OPTIONS (MXOP):

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 SAPPHIRE, LLC (SPHR):

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.