

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

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2nd Quarter, 2021

April 2021

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
0.36	0.01	89.30	10.70	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)	20.39	0.00	19.00	26.90	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	9.42	0.00	9.42	9.44	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	2.74	0.00	3.26	0.27	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	5.12	0.00	6.19	0.14	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	7.36	0.00	8.37	2.64	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	5.42	0.00	6.54	0.17	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	11.24	0.00	9.29	20.40	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.47	0.00	0.58	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	23.53	0.00	22.90	26.48	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)
NEW YORK STOCK EXCHANGE, INC. (XNYS)	9.26	0.00	11.19	0.26	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 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/>.

CBOE BATS OPTIONS EXCHANGE (BATS):

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

CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/byx/

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/

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

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

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>

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> . 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/>

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. 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/>

April 2021

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
0.91	0.01	89.30	10.70	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)	24.28	0.00	23.22	26.91	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	12.42	0.00	11.99	13.53	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	1.41	0.00	2.08	0.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	2.18	0.00	3.27	0.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	11.12	0.00	11.84	9.89	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEGX)	2.19	0.00	3.29	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	12.10	0.00	10.44	15.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.25	0.00	0.38	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	26.27	0.00	24.49	30.42	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	5.63	0.00	8.29	0.38	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.01	0.00	0.01	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 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/>.

CBOE BATS OPTIONS EXCHANGE (BATS):

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

CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/byx/

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/

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

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

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>

NASDAQ - ALL MARKETS (XNAS):

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NEW YORK STOCK EXCHANGE, INC. (XNYS):

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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>

April 2021

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
98.73	0.01	89.30	10.70	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA OPTIONS (ARCO)	44.18	0.00	45.74	31.44	0.00	0.00	0.0000	72,076.83	25.5864	121,399.84	24.5550	0.00	0.0000
CBOE BATO OPTIONS EXCHANGE (BATO)	7.95	0.00	7.62	10.84	0.00	0.00	0.0000	72,363.35	52.5515	12,834.43	48.0690	0.00	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
MIAX EMERALD, LLC (EMLD)	0.83	0.00	0.22	6.02	0.00	0.00	0.0000	4,292.30	57.2307	1,065.73	26.6433	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.88	0.00	0.26	6.21	0.00	0.00	0.0000	9,448.40	53.0809	2,384.89	37.2639	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	3.32	0.00	3.72	0.01	0.00	0.00	0.0000	4,519.40	46.5918	845.35	65.0269	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.01	0.00	0.01	0.00	0.00	0.00	0.0000	11,790.65	45.5237	244.34	81.4467	0.00	0.0000
ISE (XISE)	0.11	0.00	0.12	0.06	0.00	0.00	0.0000	8,699.77	23.4495	4,879.02	28.5323	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	1.34	0.00	1.05	3.78	0.00	0.00	0.0000	44,958.85	40.4670	22,708.76	56.0710	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	6.16	0.01	6.83	0.16	0.00	2.88	0.0000	20,574.01	41.9023	52,060.59	48.2489	0.00	0.0000
NYSE AMEX OPTIONS (AMXO)	9.13	0.00	10.21	0.01	0.00	0.00	0.0000	6,365.62	41.6054	921.88	28.8088	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.15	0.00	0.16	0.02	0.00	0.00	0.0000	2,798.60	35.8795	12,825.66	48.9529	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.01	0.00	0.01	0.01	0.00	0.00	0.0000	114.90	28.7250	10.70	0.0000	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	0.64	0.00	0.61	0.08	0.00	0.00	0.0000	18,243.18	49.0408	40,514.45	51.4796	0.00	0.0000
MIAX XMIO, LLC (XMIO)	4.61	0.00	5.15	0.03	0.00	0.00	0.0000	5,273.07	45.8528	17,816.50	52.4015	0.00	0.0000
MIAX PEARL, LLC (MPRL)	4.09	0.00	3.58	8.46	0.00	0.00	0.0000	18,501.51	50.5506	11,096.84	64.8938	0.00	0.0000

Material Aspects:

NYSE ARCA OPTIONS (ARCO):

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

CBOE BATO OPTIONS EXCHANGE (BATO):

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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/>.

May 2021

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
0.38	0.01	89.65	10.35	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)	21.58	0.00	19.88	29.43	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	3.32	0.00	4.04	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	3.01	0.00	3.67	0.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	5.37	0.00	6.54	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	6.96	0.00	7.69	3.59	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEGX)	6.53	0.00	7.95	0.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	12.80	0.00	10.95	21.28	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.35	0.00	0.43	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	24.63	0.00	23.61	29.35	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	10.15	0.00	12.34	0.12	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 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/>.

CBOE BATS OPTIONS EXCHANGE (BATS):

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

CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/byx/

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/

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

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

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>

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> . 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/>

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. 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/>

May 2021

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
0.76	0.01	89.65	10.35	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)	27.36	0.00	25.04	33.15	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 BATS OPTIONS EXCHANGE (BATS)	2.94	0.00	4.16	0.30	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	1.89	0.00	2.74	0.04	0.00	0.00	0.0000	1.61	1.6100	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	2.66	0.00	3.87	0.05	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	10.39	0.00	11.74	7.66	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEGX)	3.36	0.00	4.89	0.04	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	11.87	0.00	8.01	20.70	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	29.53	0.00	27.53	34.65	0.00	0.00	0.0000	3.73	3.7300	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	6.96	0.00	10.01	0.35	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.46	0.00	0.66	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 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/>.

CBOE BATS OPTIONS EXCHANGE (BATS):

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

CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/byx/

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/

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

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

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>. 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/>

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. 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/>

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>

May 2021

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
98.85	0.01	89.65	10.35	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)	9.97	0.00	11.12	0.01	0.00	0.00	0.0000	6,365.96	46.4669	1,184.21	21.1466	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	44.08	0.00	44.03	45.19	0.00	0.00	0.0000	73,269.77	25.7539	124,593.38	24.7062	0.00	0.0000
CBOE BATO OPTIONS EXCHANGE (BATO)	7.40	0.00	7.50	6.57	0.00	0.00	0.0000	76,500.09	50.1311	13,398.88	44.0753	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.08	0.00	0.09	0.01	0.00	0.00	0.0000	2,259.83	37.6638	4,953.90	48.5676	0.00	0.0000
MIAx EMERALD, LLC (EMLD)	0.80	0.00	0.35	4.80	0.00	0.00	0.0000	4,109.08	54.7877	1,589.80	30.5731	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.83	0.00	0.37	4.90	0.00	0.00	0.0000	9,479.93	53.2580	2,587.04	32.3380	0.00	0.0000
MIAx PEARL, LLC (MPRL)	3.43	0.00	3.19	5.63	0.00	0.00	0.0000	17,140.77	51.3197	11,997.85	61.2135	0.00	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
BOX OPTIONS EXCHANGE (XBOX)	3.66	0.00	4.08	0.01	0.00	0.00	0.0000	5,053.95	47.2332	1,088.55	72.5700	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXX)	0.01	0.00	0.01	0.01	0.00	0.00	0.0000	10,489.25	45.8046	115.76	57.8800	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	0.55	0.00	0.50	0.09	0.00	0.00	0.0000	14,573.58	49.9095	18,785.00	44.2000	0.00	0.0000
ISE (XISE)	0.14	0.00	0.12	0.11	0.00	0.00	0.0000	7,863.57	19.5611	3,313.00	21.7961	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	1.56	0.00	1.04	6.10	0.00	0.00	0.0000	44,770.19	40.2972	27,544.14	58.3562	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	6.62	0.00	7.32	0.14	0.00	0.00	0.0000	15,423.46	43.9415	23,886.16	45.4974	0.00	0.0000
MIAX XMIO, LLC (XMIO)	5.17	0.00	5.76	0.02	0.00	0.00	0.0000	3,576.59	48.9944	8,569.94	44.8688	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.01	0.00	0.01	0.00	0.00	0.00	0.0000	233.30	23.3300	26.10	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/>

NYSE ARCA OPTIONS (ARCO):

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

CBOE BATO OPTIONS EXCHANGE (BATO):

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

CBOE EDGO OPTIONS EXCHANGE (EDGO):

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

MIAX EMERALD, LLC (EMLD):

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

ISE GMNI EXCHANGE (GMNI):

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

MIAX PEARL, LLC (MPRL):

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)	20.35	0.00	18.34	30.67	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	3.74	0.00	4.33	0.75	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	3.84	0.00	4.45	0.73	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	5.95	0.00	6.97	0.77	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	7.21	0.00	7.77	4.37	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	7.73	0.00	9.15	0.50	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	11.72	0.00	9.67	22.19	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	1.05	0.00	1.09	0.82	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	23.25	0.00	21.80	30.69	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	12.74	0.00	15.10	0.70	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 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/>.

CBOE BATS OPTIONS EXCHANGE (BATS):

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

CBOE BATY OPTIONS EXCHANGE (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/byx/

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/

INVESTORS EXCHANGE (IEXG):

IEGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://storage.googleapis.com/assets-bucket/exchange/assets/IEX_Exchange_Fee_Schedule_Current.pdf

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

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>

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>. 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/>

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. 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/>

June 2021

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
0.89	0.01	89.57	10.43	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)	25.87	0.00	20.98	30.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	2.34	0.00	4.87	0.36	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	1.62	0.00	3.27	0.33	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	2.37	0.00	4.96	0.33	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	9.62	0.00	12.15	7.73	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)	3.17	0.00	6.91	0.23	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	17.87	0.00	8.20	25.79	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.56	0.00	0.84	0.34	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	27.44	0.00	24.44	30.17	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	6.75	0.00	11.84	2.79	0.00	0.00	0.0000	0.00	0.0000	0.26	0.0001	0.00	0.0000

Material Aspects:

NYSE ARCA (ARCX):

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CBOE BATS OPTIONS EXCHANGE (BATS):

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

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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/

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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

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

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>

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> . 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/>

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June 2021

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
98.81	0.00	89.57	10.43	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)	11.42	0.00	12.65	0.45	0.00	0.00	0.0000	12,953.60	47.4491	2,546.40	20.2095	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	32.75	0.00	33.37	27.42	0.00	0.00	0.0000	61,754.04	27.5442	87,561.54	24.9748	0.00	0.0000
CBOE BATO OPTIONS EXCHANGE (BATO)	12.65	0.00	12.47	14.41	0.00	0.00	0.0000	95,317.11	53.0719	14,400.12	47.3688	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.12	0.00	0.08	0.42	0.00	0.00	0.0000	2,600.82	38.8182	1,232.65	49.3060	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	0.67	0.00	0.34	3.65	0.00	0.00	0.0000	6,221.70	69.9067	1,651.38	33.0276	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.73	0.00	0.39	3.76	0.00	0.00	0.0000	13,150.00	59.5023	3,726.85	41.8747	0.00	0.0000
MIAX PEARL, LLC (MPRL)	8.12	0.00	7.44	14.31	0.00	0.00	0.0000	20,167.42	51.8443	7,376.59	54.2396	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	4.40	0.00	4.85	0.42	0.00	0.00	0.0000	7,265.15	51.1630	2,201.40	45.8625	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.10	0.00	0.07	0.42	0.00	0.00	0.0000	23,938.23	46.5724	565.14	37.6760	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	0.40	0.00	0.36	0.20	0.00	0.00	0.0000	14,021.94	48.5188	7,166.85	41.6677	0.00	0.0000
ISE (XISE)	0.30	0.00	0.28	0.56	0.00	0.00	0.0000	11,126.43	20.3037	3,592.61	17.5249	0.00	0.0000
MIAX XMIO, LLC (XMIO)	5.67	0.00	6.25	0.44	0.00	0.00	0.0000	4,741.79	45.5941	2,489.18	28.6113	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	1.74	0.00	1.29	5.82	0.00	0.00	0.0000	57,965.40	45.7140	26,382.53	57.2289	0.00	0.0000

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ISE (XISE):

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MIAX XMIO, LLC (XMIO):

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NASDAQ OPTIONS MARKET (XNDQ):

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NASDAQ OMX PHLX (XPHL):

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ISE MERCURY, LLC (MCRY):

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