

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

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4th Quarter, 2023

October 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
2.03	0.10	81.97	18.03	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE EDGA OPTIONS EXCHANGE (EDGA)	4.07	0.99	4.30	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	14.55	0.00	14.69	7.56	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	10.41	0.00	3.25	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE ARCA (ARCX)	13.26	0.03	15.14	18.53	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	3.33	0.00	4.36	1.57	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.26	0.01	0.36	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	2.21	0.00	2.81	1.58	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	3.46	0.00	4.83	0.03	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)	1.37	0.00	1.33	3.26	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.35	0.01	0.49	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.27	0.00	0.38	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	6.20	0.00	6.74	10.69	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
MIA XMIQ, LLC (XMIQ)	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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

CBOE BATY OPTIONS EXCHANGE (BATY):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

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

INVESTORS EXCHANGE (IEXG):

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

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/>

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 GLOBAL MARKETS INC. (XCBO):

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

MIAX XMIO, LLC (XMIO):

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

October 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
3.34	0.19	81.97	18.03	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)	10.65	0.04	14.49	6.69	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	1.63	0.01	2.24	1.11	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	13.57	0.00	11.88	6.43	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	7.58	0.00	7.18	15.09	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.53	0.05	0.76	0.01	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 EDGA OPTIONS EXCHANGE (EDGA)	3.86	1.23	4.21	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	3.58	0.01	5.72	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.24	0.01	0.36	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	7.65	0.00	1.12	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	2.61	0.00	3.80	1.11	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	1.11	0.00	1.24	1.64	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.34	0.01	0.54	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
MIA X XMI, LLC (XMIO)	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

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 EDGX OPTIONS EXCHANGE (EDGX):

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NASDAQ - ALL MARKETS (XNAS):

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NASDAQ OMX PSX (XPSX):

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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/. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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. 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.

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NYSE MKT LLC (XASE):

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

CBOE GLOBAL MARKETS INC. (XCBO):

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MIAX XMIO, LLC (XMIO):

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October 2023

Options

Summary

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Venues

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NYSE AMEX OPTIONS (AMXO)	0.47	0.00	0.47	0.51	0.00	0.00	0.0000	8,492.29	40.2478	228.92	45.7840	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	34.32	0.00	36.21	29.94	0.00	0.00	0.0000	56,266.48	34.2462	125,947.29	42.9415	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 BATO OPTIONS EXCHANGE (BATO)	6.77	0.00	6.22	10.15	0.00	0.00	0.0000	66,271.75	48.5152	13,729.41	52.2031	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.14	0.00	0.13	0.21	0.00	0.00	0.0000	13,355.19	38.9364	5,290.25	49.9080	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.50	0.00	0.39	1.10	0.00	0.00	0.0000	9,053.63	52.9452	1,269.80	48.8385	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.37	0.00	0.35	0.50	0.00	0.00	0.0000	2,987.80	25.7569	681.80	48.7000	0.00	0.0000
MIAX PEARL, LLC (MPRL)	0.97	0.00	0.89	1.44	0.00	0.00	0.0000	108,850.03	54.1542	4,362.71	39.3037	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.09	0.00	0.09	0.11	0.00	0.00	0.0000	9,656.47	33.1837	3,013.88	55.8126	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.54	0.00	0.42	1.19	0.00	0.00	0.0000	17,364.88	48.3701	2,631.60	43.8600	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	3.44	0.00	0.98	2.40	0.00	0.00	0.0000	59,202.01	53.6250	37,963.82	49.5611	0.00	0.0000
ISE (XISE)	1.59	0.00	1.48	2.30	0.00	0.00	0.0000	26,698.52	35.9818	2,648.28	22.6349	0.00	0.0000
MIAX XMIO, LLC (XMIO)	0.23	0.00	0.20	0.40	0.00	0.00	0.0000	5,169.29	46.1544	2,965.38	53.9160	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	36.55	0.00	39.52	27.64	0.00	0.00	0.0000	80,601.71	47.3292	81,380.59	73.9824	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	3.52	0.00	3.03	6.21	0.00	0.00	0.0000	7,188.98	49.5792	4,820.41	28.3554	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.31	0.00	0.31	0.32	0.00	0.00	0.0000	8,026.96	50.8035	2,941.84	54.4785	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/>.

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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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	86.70	13.30	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE EDGA OPTIONS EXCHANGE (EDGA)	3.69	0.10	4.41	0.11	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	7.32	0.00	7.92	3.33	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	7.13	0.01	5.97	5.07	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE ARCA (ARCX)	13.45	0.00	13.62	14.41	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	2.90	0.00	3.38	0.90	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.35	0.00	0.43	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	1.78	0.00	2.01	0.91	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	4.06	0.00	5.00	0.12	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	3.58	0.00	2.69	8.26	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.49	0.00	0.61	0.01	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)	0.28	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 PSX (XPSX)	8.04	0.00	7.74	10.52	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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

CBOE BATY OPTIONS EXCHANGE (BATY):

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

CBOE EDGX OPTIONS EXCHANGE (EDGX):

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

INVESTORS EXCHANGE (IEXG):

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

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/>

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/>

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Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
1.68	0.07	86.70	13.30	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA (ARCX)	9.58	0.03	12.85	4.81	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.52	0.05	0.72	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	3.83	0.82	4.55	0.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	3.89	0.01	5.86	0.09	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.21	0.01	0.30	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.36	0.01	0.53	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	9.03	0.01	6.94	3.24	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	11.16	0.00	6.61	10.85	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	2.01	0.01	2.86	0.57	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	1.24	0.01	1.70	0.54	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	1.97	0.01	1.84	3.37	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	7.66	0.01	7.31	12.75	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 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/. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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 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/>

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/>

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

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/. 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 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 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/>

November 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
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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
97.43	0.00	86.70	13.30	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE GLOBAL MARKETS INC. (XCBO)	2.08	0.00	0.30	1.04	0.00	0.00	0.0000	50,972.62	53.8254	28,333.95	46.2973	0.00	0.0000
NYSE AMEX OPTIONS (AMXO)	0.20	0.00	0.15	0.54	0.00	0.00	0.0000	12,151.54	44.3487	535.73	53.5730	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	27.35	0.00	28.93	20.47	0.00	0.00	0.0000	70,524.46	33.6311	141,883.28	42.2523	0.00	0.0000
CBOE BATO OPTIONS EXCHANGE (BATO)	3.63	0.00	3.10	7.65	0.00	0.00	0.0000	63,342.51	48.6876	17,707.43	52.7007	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.07	0.00	0.06	0.11	0.00	0.00	0.0000	14,822.12	41.8704	6,906.53	51.1595	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	1.87	0.00	1.39	5.31	0.00	0.00	0.0000	8,041.42	45.1765	11,435.33	31.6768	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.19	0.00	0.13	0.62	0.00	0.00	0.0000	8,099.19	50.9383	928.53	46.4265	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.12	0.00	0.11	0.22	0.00	0.00	0.0000	4,493.10	27.5650	643.96	49.5354	0.00	0.0000
MIAX PEARL, LLC (MPRL)	0.65	0.00	0.44	2.16	0.00	0.00	0.0000	115,123.53	53.5209	5,264.07	40.4928	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.04	0.00	0.03	0.10	0.00	0.00	0.0000	11,521.59	46.0864	3,129.30	56.8964	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.73	0.00	0.39	3.07	0.00	0.00	0.0000	12,720.51	47.4646	2,146.89	36.3880	0.00	0.0000
ISE (XISE)	1.15	0.00	0.85	3.26	0.00	0.00	0.0000	24,826.96	35.1159	3,086.48	29.1177	0.00	0.0000
MIAX XMIO, LLC (XMIO)	0.08	0.00	0.06	0.24	0.00	0.00	0.0000	5,369.80	49.2642	3,120.27	51.1520	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	53.22	0.00	55.55	44.74	0.00	0.00	0.0000	87,799.48	49.3810	79,892.52	76.0157	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.16	0.00	0.15	0.29	0.00	0.00	0.0000	6,590.61	51.8946	3,013.26	54.7865	0.00	0.0000

Material Aspects:

CBOE GLOBAL MARKETS INC. (XCBO):

MIAX XMIO, LLC (XMIO):

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

NASDAQ 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/>

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/>

December 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.66	0.01	82.38	17.62	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE BATS OPTIONS EXCHANGE (BATS)	3.66	0.00	4.21	1.69	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	3.08	0.11	3.74	0.05	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	9.19	0.00	9.71	5.22	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	7.65	0.02	6.00	4.08	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE ARCA (ARCX)	16.42	0.14	16.57	18.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.44	0.00	0.55	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE EDGX OPTIONS EXCHANGE (EDGX)	2.46	0.00	2.73	1.71	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
INVESTORS EXCHANGE (IEXG)	3.42	0.00	4.31	0.07	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	5.88	0.00	4.08	15.07	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.36	0.00	0.46	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.31	0.00	0.39	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	10.91	0.00	11.22	11.53	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
MIAX XMIO, LLC (XMIO)	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

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

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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 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/. The firm has entered into an agreement with Instinet, pursuant to which the firm is provided access to its tiered pricing/payments scheduled for client orders routed to Instinet for execution on the exchange.

CBOE EDGX OPTIONS EXCHANGE (EDGX):

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

INVESTORS EXCHANGE (IEXG):

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

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/>

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 GLOBAL MARKETS INC. (XCBO):

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

MIAX XMIO, LLC (XMIO):

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

December 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
1.42	0.06	82.38	17.62	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA (ARCX)	12.54	1.34	15.23	6.50	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATY OPTIONS EXCHANGE (BATY)	0.63	0.04	0.92	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA OPTIONS EXCHANGE (EDGA)	3.33	0.88	3.83	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
INVESTORS EXCHANGE (IEXG)	3.55	0.01	5.54	0.02	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX (XBOS)	0.24	0.01	0.36	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE NATIONAL, INC. (XCIS)	0.27	0.01	0.41	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ - ALL MARKETS (XNAS)	9.65	0.00	6.89	3.78	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC. (XNYS)	12.33	0.01	7.27	10.50	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BATS OPTIONS EXCHANGE (BATS)	2.27	0.01	3.23	0.91	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX OPTIONS EXCHANGE (EDGX)	1.47	0.01	2.01	0.84	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE MKT LLC (XASE)	2.28	0.00	2.22	3.85	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX PSX (XPSX)	9.81	0.00	10.25	14.58	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
LONG-TERM STOCK EXCHANGE, INC. (LTSE)	0.01	0.00	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 The Firm has entered an agreement with Instinet, pursuant to which the Firm is provided access to its tiered pricing/payment schedule for client orders routed to Instinet for execution on the exchange. Information reflecting Instinet's tiered pricing schedule can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>. Pursuant to this agreement, the Firm also receives (i) 100% of any benefit tied to Instinet's tiered pricing/payment schedule for the tiers that the Firm reaches independent of Instinet's customer orders, and (ii) a split of any benefit between the tier reached by the Firm's customer orders and the tier reached by Instinet inclusive of the Firm's customer orders. Finally, this agreement allows the Firm to benefit from a portion of payments for order flow ("PFOF") that Instinet receives from the Firm's client orders that are routed to Instinet for execution on the exchange. Information on the Firm's PFOF payments for this quarter can be found at the following link: <https://spiderrockexs.com/supplemental-reports/>.

CBOE BATY OPTIONS EXCHANGE (BATY):

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

CBOE EDGA OPTIONS EXCHANGE (EDGA):

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

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 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/>

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/>

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

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/. 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 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 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/>

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

Note regarding Payment for Order Flow Practices The Firm, in its efforts to seek best execution, routes client orders to national securities exchanges, alternative trading systems (ATs), 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.

December 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
97.91	0.00	82.38	17.62	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)
ISE (XISE)	1.55	0.00	0.94	4.69	0.00	0.00	0.0000	24,806.75	34.3109	3,395.78	26.3239	0.00	0.0000
NYSE AMEX OPTIONS (AMXO)	0.06	0.00	0.04	0.16	0.00	0.00	0.0000	10,078.64	42.5259	1,036.67	49.3652	0.00	0.0000
NYSE ARCA OPTIONS (ARCO)	27.16	0.00	28.89	23.08	0.00	0.00	0.0000	70,443.97	36.9591	161,322.40	42.3863	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 BATO OPTIONS EXCHANGE (BATO)	3.65	0.00	3.02	7.18	0.00	0.00	0.0000	65,427.99	46.3043	26,573.82	57.6439	0.00	0.0000
CBOE EDGO OPTIONS EXCHANGE (EDGO)	0.06	0.00	0.06	0.09	0.00	0.00	0.0000	13,134.82	37.5281	7,932.52	46.9380	0.00	0.0000
MIAX EMERALD, LLC (EMLD)	2.11	0.00	1.52	5.23	0.00	0.00	0.0000	7,657.69	44.7818	14,604.22	33.7280	0.00	0.0000
ISE GMNI EXCHANGE (GMNI)	0.18	0.00	0.12	0.49	0.00	0.00	0.0000	5,474.70	46.0059	1,738.30	41.3881	0.00	0.0000
ISE MERCURY, LLC (MCRY)	0.11	0.00	0.09	0.18	0.00	0.00	0.0000	4,455.20	30.5151	681.59	42.5994	0.00	0.0000
MIAX PEARL, LLC (MPRL)	1.03	0.00	0.65	2.98	0.00	0.00	0.0000	113,904.06	52.8312	4,663.74	40.5543	0.00	0.0000
BOX OPTIONS EXCHANGE (XBOX)	0.04	0.00	0.03	0.09	0.00	0.00	0.0000	8,354.12	35.8546	2,060.42	52.8313	0.00	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	1.41	0.00	0.75	4.71	0.00	0.00	0.0000	13,900.86	46.4912	2,923.13	36.0880	0.00	0.0000
CBOE GLOBAL MARKETS INC. (XCBO)	2.92	0.00	0.27	0.70	0.00	0.00	0.0000	41,669.01	51.9564	22,488.78	48.3630	0.00	0.0000
MIAX XMIO, LLC (XMIO)	0.08	0.00	0.05	0.22	0.00	0.00	0.0000	4,442.97	43.5585	1,510.81	50.3603	0.00	0.0000
NASDAQ OPTIONS MARKET (XNDQ)	52.02	0.00	55.74	42.38	0.00	0.00	0.0000	80,986.56	47.6953	72,922.78	76.3589	0.00	0.0000
NASDAQ OMX PHLX (XPHL)	0.13	0.00	0.11	0.23	0.00	0.00	0.0000	5,662.76	48.3997	1,931.90	53.6639	0.00	0.0000
ISE XISX EXCHANGE (XISX)	0.01	0.00	0.01	0.01	0.00	0.00	0.0000	3.18	0.0000	0.90	0.0000	0.00	0.0000

Material Aspects:

ISE (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/>

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/>

ISE XISX EXCHANGE (XISX):

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/>