

CAMBRIDGE INVESTMENT RESEARCH - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2024

October 2024

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	94.94	0.87	3.39	0.81

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)
Citadel Securities LLC (CDRG)	24.89	28.53	25.22	3.08	45.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	16.41	18.58	19.03	2.39	52.14	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	16.03	18.56	12.83	2.06	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	13.88	15.93	18.58	2.24	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	11.99	14.07	17.70	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	8.12	0.00	2.21	55.85	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	4.01	0.00	0.88	27.57	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.27	1.44	1.33	0.27	2.14	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	0.89	1.03	0.88	0.12	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities,	0.84	0.98	0.00	0.07	0.71	0	0.0000	0	0.0000	0	0.0000	0	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)
LLC (UBSS)													

Material Aspects:

Citadel Securities LLC (CDRG):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

VIRTU Americas, LLC (NITE):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

G1 Execution Services, LLC (ETMM):

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Jane Street Capital, LLC (JNST):

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National Financial Services LLC (XSTM):

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New York Stock Exchange (NYSE):

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NASDAQ Execution Services, LLC (NSDQ):

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Two Sigma Securities, LLC (SOHO):

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HRT FINANCIAL LP (HRTF):

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UBS Securities, LLC (UBSS):

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October 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	97.02	0.94	1.80	0.24

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)
Citadel Securities LLC (CDRG)	24.83	25.53	18.83	10.47	46.40	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	22.12	23.05	34.85	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	16.07	16.75	14.15	2.71	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	15.59	16.19	11.88	2.25	50.40	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	13.54	14.16	10.81	1.72	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	1.40	0.00	1.20	31.47	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.20	1.24	1.07	0.26	1.60	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE Arca (ARCA)	0.92	0.00	2.80	20.15	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	0.87	0.90	0.53	0.30	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.84	0.87	0.67	0.07	1.60	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

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Jane Street Capital, LLC (JNST):

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Two Sigma Securities, LLC (SOHO):

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for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

NYSE Arca (ARCA):

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October 2024

Option Contracts

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	64.79	4.29	29.12	1.81

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)
Citadel Securities LLC (CDRG)	49.01	55.75	58.00	36.63	33.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna Capital Group (SUSQ)	19.29	27.29	22.00	4.00	29.17	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Dash Financial Technologies LLC (DASH)	15.04	11.27	12.00	21.05	37.50	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Services LLC (WEXX)	11.91	0.46	0.00	34.53	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	4.61	5.23	8.00	3.37	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Interactive Brokers LLC (IBKR)	0.14	0.00	0.00	0.42	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

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Susquehanna Capital Group (SUSQ):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Dash Financial Technologies LLC (DASH):

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Wolverine Execution Services LLC (WEXX):

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Morgan Stanley & Company LLC (MSCO):

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Interactive Brokers LLC (IBKR):

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November 2024

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	95.55	1.02	2.80	0.63

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)
Citadel Securities LLC (CDRG)	29.25	31.75	24.91	6.20	44.30	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	16.67	18.04	20.70	2.72	48.10	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	15.10	16.47	13.33	3.04	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	13.60	15.04	20.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	12.06	13.14	13.33	2.28	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	4.39	0.00	2.46	45.31	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	3.21	0.00	0.00	33.38	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT	1.86	2.02	3.16	0.29	0.00	0	0.0000	0	0.0000	0	0.0000	0	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)
FINANCIAL LP (HRTF)													
Two Sigma Securities, LLC (SOHO)	1.59	1.74	0.70	0.33	2.53	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial INC. (INTL)	0.83	0.92	0.35	0.14	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

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VIRTU Americas, LLC (NITE):

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Jane Street Capital, LLC (JNST):

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New York Stock Exchange (NYSE):

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NASDAQ Execution Services, LLC (NSDQ):

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Two Sigma Securities, LLC (SOHO):

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StoneX Financial INC. (INTL):

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November 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	97.20	0.98	1.60	0.22

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)
Citadel Securities LLC (CDRG)	27.52	28.23	21.96	6.44	66.37	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	23.85	24.54	35.95	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	15.10	15.51	10.31	3.83	29.20	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	14.10	14.50	13.25	3.33	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	11.44	11.80	9.69	1.85	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	1.75	1.79	1.84	0.41	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.40	1.45	0.86	0.09	3.54	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	1.10	0.00	0.61	34.23	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.75	0.77	0.37	0.18	0.88	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial INC. (INTL)	0.70	0.72	0.25	0.23	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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UBS Securities, LLC (UBSS):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

StoneX Financial INC. (INTL):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

November 2024

Option Contracts

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	69.77	3.37	26.08	0.78

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)
Citadel Securities LLC (CDRG)	47.21	51.69	42.31	36.86	33.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna Capital Group (SUSQ)	22.02	28.16	26.92	4.67	58.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Dash Financial Technologies LLC (DASH)	16.64	13.60	25.00	23.59	8.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Services LLC (WEXX)	9.28	0.96	1.92	31.70	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	4.84	5.59	3.85	3.19	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment

for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Susquehanna Capital Group (SUSQ):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Dash Financial Technologies LLC (DASH):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Wolverine Execution Services LLC (WEXX):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Morgan Stanley & Company LLC (MSCO):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

December 2024

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	94.89	1.08	3.39	0.64

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)
Citadel Securities LLC (CDRG)	27.97	31.21	24.77	3.40	47.12	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	15.01	16.79	12.99	2.21	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	13.87	15.35	12.39	1.85	50.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	13.47	15.11	12.39	1.66	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	12.66	14.29	21.75	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	6.17	0.00	2.11	53.01	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	3.23	3.59	3.93	0.53	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ	2.81	0.00	6.04	23.70	0.00	0	0.0000	0	0.0000	0	0.0000	0	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)
Execution Services, LLC (NSDQ)													
Two Sigma Securities, LLC (SOHO)	2.14	2.39	1.81	0.36	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Cboe EDGX US Equities Exchange (EDGX)	1.14	0.00	0.00	9.85	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

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Jane Street Capital, LLC (JNST):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

VIRTU Americas, LLC (NITE):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

G1 Execution Services, LLC (ETMM):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

National Financial Services LLC (XSTM):

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New York Stock Exchange (NYSE):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

HRT FINANCIAL LP (HRTF):

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NASDAQ Execution Services, LLC (NSDQ):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Two Sigma Securities, LLC (SOHO):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Cboe EDGX US Equities Exchange (EDGX):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

December 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	97.24	1.02	1.45	0.29

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)
Citadel Securities LLC (CDRG)	26.50	27.21	17.87	6.04	50.70	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	23.49	24.03	41.55	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	14.45	14.88	12.70	2.50	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	13.32	13.62	10.55	2.83	44.37	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	13.01	13.41	9.26	2.83	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	3.17	3.27	1.40	0.90	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.95	2.00	1.83	0.28	2.82	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	1.03	0.00	0.54	34.01	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.60	0.62	0.43	0.05	2.11	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Instinet BlockCross (BLKX)	0.48	0.46	3.44	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

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Jane Street Capital, LLC (JNST):

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VIRTU Americas, LLC (NITE):

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G1 Execution Services, LLC (ETMM):

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HRT FINANCIAL LP (HRTF):

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Two Sigma Securities, LLC (SOHO):

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NASDAQ Execution Services, LLC (NSDQ):

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UBS Securities, LLC (UBSS):

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Instinet BlockCross (BLKX):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

December 2024

Option Contracts

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	74.77	2.22	21.04	1.97

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)
Citadel Securities LLC (CDRG)	44.04	46.04	35.71	40.07	25.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Dash Financial Technologies LLC (DASH)	22.90	22.64	28.57	21.95	37.50	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna Capital Group (SUSQ)	17.21	20.99	21.43	3.14	37.50	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Services LLC (WEXX)	9.77	3.08	7.14	32.06	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	6.08	7.25	7.14	2.79	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment

for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Dash Financial Technologies LLC (DASH):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Susquehanna Capital Group (SUSQ):

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Wolverine Execution Services LLC (WEXX):

Cambridge Investment Research routes all of its SEC Rule 606 eligible orders to its clearing firm, National Financial Services LLC, and does not receive any payment for order flow from the venues listed in this disclosure. For additional information about National Financial LLC's payment for order flow practices, please see the SEC Rule 606 disclosure for its parent entity, Fidelity Brokerage Services LLC

Morgan Stanley & Company LLC (MSCO):

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