

Insigneo Securities LLC - 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	72.87	3.36	18.84	4.93

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 (CDRG)	25.30	23.72	37.60	29.71	23.50	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	15.42	17.25	12.00	11.43	6.01	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	12.92	12.26	14.40	14.14	16.94	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	12.01	11.75	8.00	14.00	10.93	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	11.76	12.23	11.20	11.43	6.56	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	8.59	9.49	4.80	4.57	13.11	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	7.83	6.72	4.80	9.43	20.22	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	6.03	6.50	7.20	4.86	2.73	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	0.08	0.00	0.00	0.43	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
INTELLIGENT CROSS LLC (INCR)	0.05	0.07	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

Virtu Americas, LLC (NITE):

We currently have no payment for order flow arrangements with any execution venues .

G1 Execution Services, LLC (ETMM):

We currently have no payment for order flow arrangements with any execution venues .

HRT FINANCIAL LP (HRTF):

We currently have no payment for order flow arrangements with any execution venues .

StoneX Financial Inc (INTL):

We currently have no payment for order flow arrangements with any execution venues .

Two Sigma Securities (SOHO):

We currently have no payment for order flow arrangements with any execution venues .

UBS Securities LLC (UBSS):

We currently have no payment for order flow arrangements with any execution venues .

The Nasdaq Stock Market LLC (NSDQ):

We currently have no payment for order flow arrangements with any execution venues .

INTELLIGENT CROSS LLC (INCR):

We currently have no payment for order flow arrangements with any execution venues .

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	66.87	5.96	17.87	9.30

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 (CDRG)	21.94	22.09	23.26	19.09	25.51	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	18.68	18.64	22.38	18.90	16.20	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	17.30	16.24	14.53	18.90	23.65	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)
Virtu Americas, LLC (NITE)	12.80	12.66	13.08	13.37	12.48	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	10.98	11.24	9.30	10.17	11.73	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	5.78	5.54	4.36	8.24	3.72	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	5.04	5.18	7.27	4.84	2.98	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	4.48	5.05	3.78	4.07	1.68	0	0.0000	0	0.0000	0	0.0000	0	0.0000
GTS Securities LLC (GTSM)	2.56	2.93	1.74	1.84	1.86	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Maxim Group LLC (MAXM)	0.40	0.39	0.29	0.58	0.19	0	0.0000	0	0.0000	0	0.0000	0	0.0000
MCAP LLC (MCAP)	0.03	0.05	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

G1 Execution Services, LLC (ETMM):

We currently have no payment for order flow arrangements with any execution venues .

Virtu Americas, LLC (NITE):

We currently have no payment for order flow arrangements with any execution venues .

HRT FINANCIAL LP (HRTF):

We currently have no payment for order flow arrangements with any execution venues .

Two Sigma Securities (SOHO):

We currently have no payment for order flow arrangements with any execution venues .

UBS Securities LLC (UBSS):

We currently have no payment for order flow arrangements with any execution venues .

StoneX Financial Inc (INTL):

We currently have no payment for order flow arrangements with any execution venues .

GTS Securities LLC (GTSM):

We currently have no payment for order flow arrangements with any execution venues .

Maxim Group LLC (MAXM):

We currently have no payment for order flow arrangements with any execution venues .

MCAP LLC (MCAP):

We currently have no payment for order flow arrangements with any execution venues .

October 2024

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
100.00	22.71	10.61	52.75	13.93

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 (CITL)	37.66	35.69	36.06	37.99	40.88	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna International Group, LLP (SUSQ)	23.00	20.54	20.30	24.39	23.79	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Svc. (WEXX)	21.45	19.55	22.12	22.80	18.94	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH Financial Option ATS (DASH)	17.88	24.22	21.52	14.82	16.40	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CITL):

We currently have no payment for order flow arrangements with any execution venues .

Susquehanna International Group, LLP (SUSQ):

We currently have no payment for order flow arrangements with any execution venues .

Wolverine Execution Svc. (WEXX):

We currently have no payment for order flow arrangements with any execution venues .

DASH Financial Option ATS (DASH):

We currently have no payment for order flow arrangements with any execution venues .

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
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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
100.00	73.12	2.79	18.82	5.27

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 (CDRG)	26.55	26.23	28.18	25.84	32.69	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	16.77	16.74	17.27	18.30	11.54	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	12.29	11.99	18.18	12.38	12.98	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	12.14	12.16	9.09	13.19	9.62	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	11.93	11.23	9.09	13.06	19.23	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	7.52	8.45	5.45	5.52	2.88	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	7.22	7.42	6.36	6.59	7.21	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	5.50	5.75	6.36	4.85	3.85	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	0.05	0.00	0.00	0.27	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
INTELLIGENT CROSS LLC (INCR)	0.03	0.03	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

Virtu Americas, LLC (NITE):

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HRT FINANCIAL LP (HRTF):

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G1 Execution Services, LLC (ETMM):

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StoneX Financial Inc (INTL):

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Two Sigma Securities (SOHO):

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The Nasdaq Stock Market LLC (NSDQ):

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INTELLIGENT CROSS LLC (INCR):

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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	67.60	5.45	18.71	8.23

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 (CDRG)	20.83	20.98	21.33	20.00	21.16	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	19.09	18.96	20.14	19.03	19.59	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	17.14	16.84	13.74	17.72	20.53	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	12.47	12.20	14.93	14.28	8.93	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	11.00	11.26	10.19	8.83	14.26	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	6.63	6.30	5.21	8.62	5.80	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	5.49	5.08	6.64	6.07	6.74	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	5.01	6.01	4.03	3.24	1.41	0	0.0000	0	0.0000	0	0.0000	0	0.0000
GTS Securities LLC (GTSM)	2.32	2.33	3.79	2.21	1.57	0	0.0000	0	0.0000	0	0.0000	0	0.0000
MCAP LLC (MCAP)	0.03	0.04	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

G1 Execution Services, LLC (ETMM):

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Virtu Americas, LLC (NITE):

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HRT FINANCIAL LP (HRTF):

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Two Sigma Securities (SOHO):

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UBS Securities LLC (UBSS):

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GTS Securities LLC (GTSM):

We currently have no payment for order flow arrangements with any execution venues .

MCAP LLC (MCAP):

We currently have no payment for order flow arrangements with any execution venues .

November 2024

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
100.00	20.91	10.08	59.58	9.43

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(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 (CITL)	36.17	36.50	34.15	36.86	33.22	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna International Group, LLP (SUSQ)	24.69	16.77	24.00	26.34	32.57	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)
Wolverine Execution Svc. (WEXX)	21.46	21.07	19.69	21.45	24.34	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH Financial Option ATS (DASH)	17.68	25.67	22.15	15.36	9.87	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CITL):

We currently have no payment for order flow arrangements with any execution venues .

Susquehanna International Group, LLP (SUSQ):

We currently have no payment for order flow arrangements with any execution venues .

Wolverine Execution Svc. (WEXX):

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DASH Financial Option ATS (DASH):

We currently have no payment for order flow arrangements with any execution venues .

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	73.78	3.26	15.42	7.55

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 (CDRG)	25.24	23.70	25.29	28.45	33.76	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	16.12	16.84	15.88	16.77	7.87	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	13.21	13.13	15.29	12.30	14.97	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	12.89	12.33	17.65	14.53	12.94	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)
HRT FINANCIAL LP (HRTF)	12.10	13.00	8.24	11.55	6.09	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	8.06	9.11	4.71	4.10	7.36	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	6.91	6.28	8.24	7.58	11.17	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	5.40	5.55	4.71	4.60	5.84	0	0.0000	0	0.0000	0	0.0000	0	0.0000
INTELLIGENT CROSS LLC (INCR)	0.04	0.05	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	0.02	0.00	0.00	0.12	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

G1 Execution Services, LLC (ETMM):

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HRT FINANCIAL LP (HRTF):

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StoneX Financial Inc (INTL):

We currently have no payment for order flow arrangements with any execution venues .

Two Sigma Securities (SOHO):

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UBS Securities LLC (UBSS):

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INTELLIGENT CROSS LLC (INCR):

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The Nasdaq Stock Market LLC (NSDQ):

We currently have no payment for order flow arrangements with any execution venues .

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	63.06	4.60	19.02	13.32

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 (CDRG)	20.96	20.87	20.71	19.99	22.87	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	18.80	16.93	15.04	16.82	31.80	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	17.84	19.27	17.88	20.12	7.77	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	12.77	12.01	14.34	14.43	13.46	0	0.0000	0	0.0000	0	0.0000	0	0.0000
HRT FINANCIAL LP (HRTF)	9.92	11.24	10.27	9.72	3.85	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	6.56	6.06	6.90	6.72	8.56	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	6.31	5.66	7.96	8.13	6.24	0	0.0000	0	0.0000	0	0.0000	0	0.0000
StoneX Financial Inc (INTL)	4.58	5.64	4.78	2.65	2.20	0	0.0000	0	0.0000	0	0.0000	0	0.0000
GTS Securities LLC (GTSM)	2.26	2.31	2.12	1.41	3.24	0	0.0000	0	0.0000	0	0.0000	0	0.0000
MCAP LLC (MCAP)	0.01	0.01	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

We currently have no payment for order flow arrangements with any execution venues .

G1 Execution Services, LLC (ETMM):

We currently have no payment for order flow arrangements with any execution venues .

Jane Street Capital, LLC (JNST):

We currently have no payment for order flow arrangements with any execution venues .

Virtu Americas, LLC (NITE):

We currently have no payment for order flow arrangements with any execution venues .

HRT FINANCIAL LP (HRTF):

We currently have no payment for order flow arrangements with any execution venues .

Two Sigma Securities (SOHO):

We currently have no payment for order flow arrangements with any execution venues .

UBS Securities LLC (UBSS):

We currently have no payment for order flow arrangements with any execution venues .

StoneX Financial Inc (INTL):

We currently have no payment for order flow arrangements with any execution venues .

GTS Securities LLC (GTSM):

We currently have no payment for order flow arrangements with any execution venues .

MCAP LLC (MCAP):

We currently have no payment for order flow arrangements with any execution venues .

December 2024

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
100.00	23.11	18.05	47.82	11.02

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 (CITL)	37.89	36.23	36.92	38.32	41.09	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna International Group, LLP (SUSQ)	24.63	20.33	21.78	27.91	24.03	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH Financial Option ATS (DASH)	19.41	25.60	24.62	15.50	14.92	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Svc. (WEXX)	18.07	17.84	16.69	18.27	19.96	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CITL):

We currently have no payment for order flow arrangements with any execution venues .

Susquehanna International Group, LLP (SUSQ):

We currently have no payment for order flow arrangements with any execution venues .

DASH Financial Option ATS (DASH):

We currently have no payment for order flow arrangements with any execution venues .

Wolverine Execution Svc. (WEXX):

We currently have no payment for order flow arrangements with any execution venues .