Fifth Third Securities Inc - Held NMS Stocks and Options Order Routing Public Report Generated on Wed Jul 23 2025 11:22:22 GMT-0400 (Eastern Daylight Time)

2nd Quarter, 2025

April 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	92.61	0.70	2.80	3.89

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)	29.92	30.14	37.00	20.13	29.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	24.84	25.39	21.94	12.96	20.88	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	22.68	22.69	20.54	14.33	28.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	9.30	9.51	8.21	7.16	5.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	8.67	8.81	10.95	5.80	6.87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.87	2.93	1.36	2.04	2.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.61	0.00	0.00	20.87	0.73	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.49	0.48	0.00	0.34	0.98	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.29	0.00	0.00	8.19	1.71	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.20	0.00	0.00	6.82	0.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.10	0.00	0.00	1.36	1.71	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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FIFTH THIRD SECURITIES, INC. (FTSR)	0.02	0.03	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET BLOCKCROSS ATS (BLKX)	0.01	0.02	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Citadel Securities LLC (CDRG):

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JANE STREET CAPITAL, LLC (JNST):

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TWO SIGMA SECURITIES, LLC (SOHO):

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

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New York Stock Exchange (NYSE):

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INSTINET BLOCKCROSS ATS (BLKX):

April 2025

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	92.61	0.49	1.12	5.78

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)	31.83	31.95	29.73	11.98	33.29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	24.72	24.98	25.36	9.77	23.43	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	21.68	21.80	26.08	7.25	22.21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	9.13	9.24	8.69	4.73	8.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	8.58	8.69	7.97	2.52	8.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.73	2.76	2.17	0.63	2.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.54	0.53	0.00	1.26	0.55	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.47	0.00	0.00	40.11	0.42	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.14	0.00	0.00	11.35	0.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.09	0.00	0.00	8.51	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (FTSR)	0.04	0.05	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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New York Stock Exchange (NYSE)	0.04	0.00	0.00	1.26	0.48	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	0.01	0.00	0.00	0.00	0.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	0.00	0.00	0.00	0.00	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	0.00	0.00	0.00	0.63	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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NASDAQ EXECUTION SERVICES, LLC (INET):

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MEMX LLC EQUITIES (MEMX):

New York Stock Exchange (NYSE):

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Archipelago Trading Services, Inc. (ARCA):

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American Stock Exchange (AMEX):

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April 2025

Options

Summary

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100.00	60.00	5.00	32.50	2.50

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)
DASH FINANCIAL TECHNOLOGIES LLC (DFIN)	39.00	28.33	50.00	52.37	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Philadelphia Stock Exchange (PHLX)	19.00	30.04	20.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE FX NDFS (CBOE)	11.50	15.00	10.00	6.15	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL EQUITIES (EPRL)	8.00	9.16	10.00	6.15	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	4.00	0.83	0.00	10.76	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	3.50	3.33	0.00	4.61	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NOMISMA (LIECHTENSTEIN) AG (XNOM)	3.50	0.83	0.00	9.23	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BOX OPTIONS EXCHANGE (XBOX)	3.00	4.16	0.00	1.53	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.50	3.33	10.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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American Stock Exchange (AMEX)	2.00	3.33	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	1.50	0.00	0.00	4.61	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
International Securities Exchange (ISEG)	1.00	0.83	0.00	1.53	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	1.00	0.83	0.00	1.53	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ISE MERCURY, LLC (MCRY)	0.50	0.00	0.00	1.53	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

DASH FINANCIAL TECHNOLOGIES LLC (DFIN):

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Philadelphia Stock Exchange (PHLX):

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CBOE FX NDFS (CBOE):

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MIAX PEARL EQUITIES (EPRL):

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Archipelago Trading Services, Inc. (ARCA):

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Citadel Securities LLC (CDRG)

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NOMISMA (LIECHTENSTEIN) AG (XNOM):

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BOX OPTIONS EXCHANGE (XBOX):

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

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American Stock Exchange (AMEX):

CBOE BZX U.S. EQUITIES EXCHANGE (BATS):

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International Securities Exchange (ISEG):

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ISE MERCURY, LLC (MCRY)

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May 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	93.19	0.80	3.10	2.91

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)	32.65	32.75	37.73	21.52	40.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	23.34	23.82	22.95	16.87	14.86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	22.24	22.16	24.59	17.72	28.82	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	9.26	9.55	4.91	5.06	5.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	8.30	8.54	8.19	4.21	4.95	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.17	2.24	0.00	1.68	0.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.90	0.88	1.63	1.68	0.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.70	0.00	0.00	22.00	0.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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)
NASDAQ EXECUTION SERVICES, LLC (INET)	0.18	0.00	0.00	4.21	1.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.13	0.00	0.00	3.79	0.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (FTSR)	0.05	0.04	0.00	0.00	0.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.05	0.00	0.00	0.84	0.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET BLOCKCROSS ATS (BLKX)	0.01	0.01	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET DESK CROSS (INCA)	0.01	0.01	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nasdaq Execution Services, LLC. (NSDQ)	0.01	0.00	0.00	0.42	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Citadel Securities LLC (CDRG):

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G1 Execution Services, LLC (ETMM)

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VIRTU Americas LLC (NITE):

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HUDSON RIVER TRADING (HRT) (HRTF):

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JANE STREET CAPITAL, LLC (JNST):

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TWO SIGMA SECURITIES, LLC (SOHO):

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UBS SECURITIES LLC (UBSS):

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

NASDAQ EXECUTION SERVICES, LLC (INET):

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MEMX LLC EQUITIES (MEMX):

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New York Stock Exchange (NYSE):

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INSTINET BLOCKCROSS ATS (BLKX):

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Nasdag Execution Services, LLC. (NSDQ):

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May 2025

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	72.36	0.48	1.10	26.06

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)	33.00	32.95	38.62	13.69	33.79	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	24.09	24.26	21.25	9.93	24.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	21.85	21.89	21.25	6.16	22.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	9.00	9.35	7.87	2.73	8.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	8.36	8.55	8.66	0.68	8.14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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)
TWO SIGMA SECURITIES, LLC (SOHO)	2.24	2.27	1.57	0.34	2.26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.70	0.71	0.78	0.68	0.68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.48	0.00	0.00	42.18	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.14	0.00	0.00	13.01	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.10	0.00	0.00	7.87	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nasdaq Execution Services, LLC. (NSDQ)	0.02	0.00	0.00	2.05	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (FTSR)	0.01	0.01	0.00	0.00	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.01	0.00	0.00	0.34	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	0.00	0.00	0.00	0.34	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET BLOCKCROSS ATS (BLKX)	0.00	0.01	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Citadel Securities LLC (CDRG):

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G1 Execution Services, LLC (ETMM):

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VIRTU Americas LLC (NITE):

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HUDSON RIVER TRADING (HRT) (HRTF):

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JANE STREET CAPITAL, LLC (JNST):

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TWO SIGMA SECURITIES, LLC (SOHO):

UBS SECURITIES LLC (UBSS):

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CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)

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MEMX LLC EQUITIES (MEMX):

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NASDAO EXECUTION SERVICES, LLC (INET):

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New York Stock Exchange (NYSE):

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Archipelago Trading Services, Inc. (ARCA):

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INSTINET BLOCKCROSS ATS (BLKX):

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May 2025

OptionsSummary

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	61.26	3.85	32.97	1.92

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)
DASH FINANCIAL TECHNOLOGIES LLC (DFIN)	30.33	25.11	28.60	40.05	28.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Philadelphia Stock Exchange (PHLX)	23.62	35.94	21.42	2.50	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	8.51	5.38	14.28	13.33	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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 FX NDFS (CBOE)	7.14	9.86	14.28	0.83	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	4.39	5.38	14.28	0.83	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
WOLVERINE EXECUTION SERVICES, LLC (WEXX)	4.39	0.00	0.00	13.33	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Financial Group, LLP (SUFI)	4.12	6.27	7.14	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL EQUITIES (EPRL)	3.84	3.58	0.00	5.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	1.92	0.00	0.00	5.83	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BOX OPTIONS EXCHANGE (XBOX)	1.92	1.79	0.00	2.50	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NOMISMA (LIECHTENSTEIN) AG (XNOM)	1.92	0.00	0.00	5.00	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	1.64	1.79	0.00	1.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	1.37	1.34	0.00	1.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	1.09	1.34	0.00	0.83	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
International Securities Exchange (ISEG)	1.09	0.00	0.00	3.33	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MORGAN STANLEY AND CO. LLC (MSCO)	1.09	1.34	0.00	0.83	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ISE MERCURY, LLC (MCRY)	0.54	0.00	0.00	1.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL, LLC (MPRL)	0.54	0.44	0.00	0.83	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GLOBAL EXECUTION BROKERS, LP (GEBB)	0.27	0.00	0.00	0.00	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.27	0.44	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

DASH FINANCIAL TECHNOLOGIES LLC (DFIN):

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Philadelphia Stock Exchange (PHLX

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Citadel Securities LLC (CDRG):

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CBOE FX NDFS (CBOE

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American Stock Exchange (AMEX):

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Susquehanna Financial Group, LLP (SUFI):

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MIAX PEARL EQUITIES (EPRL):

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Archipelago Trading Services, Inc. (ARCA):

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BOX OPTIONS EXCHANGE (XBOX):

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NOMISMA (LIECHTENSTEIN) AG (XNOM):

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

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CBOE BZX U.S. EOUITIES EXCHANGE (BATS):

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International Securities Exchange (ISEG)

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MORGAN STANLEY AND CO. LLC (MSCO):

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ISE MERCURY, LLC (MCRY):

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MIAX PEARL, LLC (MPRL):

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GLOBAL EXECUTION BROKERS, LP (GEBB):

NASDAQ OMX BX OPTIONS (XBXO):

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June 2025

S&P 500 Stocks

Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
Γ	100.00	94.62	0.95	2.42	2.01

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)	34.14	34.33	38.83	20.00	39.77	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	22.43	22.49	28.35	12.35	29.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	20.38	20.89	10.44	8.82	14.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	13.95	14.30	11.94	5.29	8.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	4.91	5.04	5.97	2.35	1.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	1.50	1.47	2.98	1.76	2.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	1.35	1.38	0.00	1.17	0.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.99	0.00	0.00	40.62	0.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nasdaq Execution Services, LLC. (NSDQ)	0.24	0.00	0.00	7.64	2.83	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (FTSR)	0.07	0.07	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET DESK CROSS (INCA)	0.04	0.03	1.49	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Citadel Securities LLC (CDRG):

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VIRTU Americas LLC (NITE):

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G1 Execution Services, LLC (ETMM):

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HUDSON RIVER TRADING (HRT) (HRTF):

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JANE STREET CAPITAL, LLC (JNST):

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UBS SECURITIES LLC (UBSS):

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TWO SIGMA SECURITIES, LLC (SOHO):

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

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Nasdag Execution Services, LLC, (NSDO):

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June 2025

Non-S&P 500 Stocks

Summary

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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	94.42	0.83	1.38	3.38

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)	33.56	34.04	32.92	6.99	30.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	22.98	23.01	26.71	7.81	27.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	19.81	20.09	19.17	7.40	17.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	14.53	14.66	13.01	3.29	15.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	5.07	5.13	4.79	3.29	4.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	1.52	1.54	1.36	0.82	1.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	1.51	1.53	0.68	0.82	1.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.82	0.00	0.00	56.42	1.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nasdaq Execution Services, LLC. (NSDQ)	0.19	0.00	0.00	13.16	0.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INSTINET DESK CROSS (INCA)	0.01	0.00	1.36	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Citadel Securities LLC (CDRG):

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VIRTU Americas LLC (NITE):

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HUDSON RIVER TRADING (HRT) (HRTF):

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JANE STREET CAPITAL, LLC (JNST):

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UBS SECURITIES LLC (UBSS):

TWO SIGMA SECURITIES, LLC (SOHO):

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

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June 2025

Options Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	59.61	4.31	36.08	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)
Citadel Securities LLC (CDRG)	35.52	35.88	40.92	34.26	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DASH FINANCIAL TECHNOLOGIES LLC (DFIN)	22.35	20.39	27.27	25.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Financial Group, LLP (SUFI)	22.15	32.23	18.18	5.97	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
WOLVERINE EXECUTION SERVICES, LLC (WEXX)	15.68	5.59	4.54	33.69	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	3.72	5.59	9.09	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MORGAN STANLEY AND CO. LLC (MSCO)	0.58	0.32	0.00	1.08	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

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DASH FINANCIAL TECHNOLOGIES LLC (DFIN):

Susquehanna Financial Group, LLP (SUFI):

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MORGAN STANLEY AND CO. LLC (MSCO):

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