

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
New York Stock Exchange (NYSE)	0.12	0.00	0.00	0.97	2.87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	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 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

Material Aspects:

VIRTU Americas LLC (NITE):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through National Financial Services LLC (NFS) via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via NFS. FTS and NFS provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit www.53.com for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

Citadel Securities LLC (CDRG):

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G1 Execution Services, LLC (ETMM):

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JANE STREET CAPITAL, LLC (JNST):

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FIDELITY CROSSSTREAM ATS (XSTM):

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

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UBS SECURITIES LLC (UBSS):

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STONEX FINANCIAL INC. (INTL):

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NASDAQ EXECUTION SERVICES, LLC (INET):

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TWO SIGMA SECURITIES, LLC (SOHO):

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MEMX LLC EQUITIES (MEMX):

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)	0.33	0.00	0.00	14.74	0.57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.26	0.00	0.00	12.17	0.14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	0.11	0.12	0.00	0.00	0.00	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	0.64	2.00	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	0.64	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	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 BLOCKCROSS ATS (BLXX)	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
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	0.00	0.00	0.00	0.32	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

UBS SECURITIES LLC (UBSS):

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

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Archipelago Trading Services, Inc. (ARCA):

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July 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	60.67	3.77	34.73	0.84

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)
DASH FINANCIAL TECHNOLOGIES LLC (DFIN)	24.74	23.44	33.34	26.55	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Philadelphia Stock Exchange (PHLX)	22.17	33.17	0.00	6.02	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	7.53	1.37	0.00	19.27	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	7.11	8.96	22.22	1.20	50.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NOMISMA (LIECHTENSTEIN) AG (XNOM)	6.69	0.00	0.00	19.27	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE FX NDFS (CBOE)	6.27	10.34	0.00	0.00	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)	5.85	6.89	11.11	2.40	50.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BOX OPTIONS EXCHANGE (XBOX)	5.02	7.58	11.11	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	4.60	0.00	0.00	13.25	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL EQUITIES (EPRL)	4.18	5.51	22.22	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	4.18	0.68	0.00	10.84	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ISE MERCURY, LLC (MCRY)	1.25	2.06	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)	0.41	0.00	0.00	1.20	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

August 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	91.22	1.31	3.91	3.56

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)
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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)	28.00	28.36	34.86	16.60	30.29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	26.60	26.75	30.33	14.71	32.43	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	20.63	21.22	16.85	13.20	14.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	13.73	14.28	13.48	6.79	7.46	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	3.23	3.52	0.00	0.00	0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIDELITY CROSSSTREAM ATS (XSTM)	2.65	2.87	2.24	0.00	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)	1.04	0.00	0.00	24.58	2.48	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	1.04	1.08	0.00	0.37	1.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.88	0.80	1.12	0.75	2.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.69	0.00	0.00	12.83	5.39	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	0.63	0.66	0.00	0.37	0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.36	0.00	0.00	9.05	0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	0.22	0.21	1.12	0.00	0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NATIONAL FINANCIAL SERVICES, LLC (NFSC)	0.22	0.24	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.07	0.00	0.00	0.75	1.24	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

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Citadel Securities LLC (CDRG):

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	89.29	0.96	1.27	8.47

Venues

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VIRTU Americas LLC (NITE)	30.00	30.27	28.13	11.15	30.87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	28.27	28.28	27.61	6.83	30.64	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	21.62	22.21	24.28	7.19	17.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	15.01	14.97	12.38	3.95	17.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	1.04	1.05	0.95	0.71	0.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	0.94	0.96	0.95	0.35	0.81	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIDELITY CROSSSTREAM ATS (XSTM)	0.77	0.81	5.23	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	0.62	0.61	0.47	0.35	0.81	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.55	0.00	0.00	41.07	0.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	0.44	0.48	0.00	0.00	0.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	0.22	0.24	0.00	0.00	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.21	0.00	0.00	16.54	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.17	0.00	0.00	11.51	0.32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NATIONAL FINANCIAL SERVICES, LLC (NFSC)	0.11	0.12	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.03	0.00	0.00	0.35	0.32	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	0.00	0.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.87	0.00	0.00	26.42	0.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	0.72	0.76	0.00	1.09	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	0.46	0.49	0.00	0.00	0.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.33	0.00	0.00	9.34	0.73	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.33	0.00	0.00	7.14	2.20	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	0.54	1.83	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	0.08	0.09	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	0.01	0.00	0.00	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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VIRTU Americas LLC (NITE):

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G1 Execution Services, LLC (ETMM):

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JANE STREET CAPITAL, LLC (JNST):

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FIDELITY CROSSSTREAM ATS (XSTM):

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UBS SECURITIES LLC (UBSS):

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TWO SIGMA SECURITIES, LLC (SOHO):

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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)
UBS SECURITIES LLC (UBSS)	0.92	0.91	1.97	1.71	0.67	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	0.89	0.88	3.28	0.00	0.86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	0.89	0.92	0.00	0.00	0.67	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	0.52	0.51	0.65	0.00	0.77	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.43	0.00	0.00	42.89	0.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.19	0.00	0.00	17.71	0.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.16	0.00	0.00	13.14	0.57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.04	0.00	0.00	0.57	0.67	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	0.01	0.00	0.00	0.00	0.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	0.01	0.00	0.00	0.00	0.19	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

Material Aspects:

UBS SECURITIES LLC (UBSS):

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

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September 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
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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	54.04	3.03	39.39	3.54

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)
DASH FINANCIAL TECHNOLOGIES LLC (DFIN)	27.83	16.82	16.66	41.07	57.15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Philadelphia Stock Exchange (PHLX)	20.70	35.56	33.36	1.28	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE FX NDFS (CBOE)	9.09	14.01	16.66	1.28	14.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC (CDRG)	7.57	3.73	16.66	12.82	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NOMISMA (LIECHTENSTEIN) AG (XNOM)	7.07	0.93	0.00	16.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL EQUITIES (EPRL)	6.56	8.41	0.00	5.12	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	6.06	10.28	0.00	1.28	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)	4.54	5.60	0.00	3.84	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	3.53	0.00	0.00	8.97	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BOX OPTIONS EXCHANGE (XBOX)	2.02	3.73	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
International Securities Exchange (ISEG)	1.51	0.93	0.00	2.56	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Interactive Brokers Llc (IBKR)	1.01	0.00	0.00	0.00	28.57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	1.01	0.00	0.00	2.56	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)	0.50	0.00	0.00	1.28	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL, LLC (MPRL)	0.50	0.00	0.00	1.28	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Financial Group, LLP (SUF1)	0.50	0.00	16.66	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects: