

StoneX Financial INC.(INTL)	1.14	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Two Sigma Securities, LLC(SOHO)	1.09	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UBS Securities, LLC(UBSS)	0.73	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
New York Stock Exchange(NYSE)	0.27	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Members Exchange(MEMX)	0.09	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NASDAQ Execution Services, LLC(NSDQ)	0.09	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Material Aspects:

January 2023

Non S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100	97.17	1.54	1.29	0

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)	32.95	35.13	21.43	0.00	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	26.62	27.89	50.00	1.43	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	22.76	24.18	14.29	1.43	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	8.96	9.62	0.00	0.00	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	3.29	0.00	14.29	54.29	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)	1.56	1.68	0.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	1.40	0.00	0.00	24.29	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	0.90	0.97	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	0.49	0.00	0.00	8.57	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.49	0.53	0.00	0.00	0.00	0	0	0	0	0	0	0	0

Material Aspects:

January 2023

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
0	0	0	0	0

Venues

Venue - Non-directed Order Flow	Non-Directed 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)

Material Aspects:

February 2023

S&P 500 Stocks

Summary

Material Aspects:

March 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed	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	99.86	0	0.14	0

Venues

Venue - Non-directed Order Flow	Non-Directed 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)	35.48	35.90	0.00	3.08	0.00	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	28.77	29.15	0.00	0.00	0.00	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	22.92	23.18	0.00	3.08	0.00	0	0	0	0	0	0	0

Jane Street Capital, LLC(JNST)	9.06	9.17	0.00	0.00	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	1.11	0.00	0.00	87.69	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.04	1.05	0.00	0.00	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)	0.84	0.85	0.00	0.00	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.68	0.69	0.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	0.04	0.00	0.00	3.08	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.02	0.00	0.00	0.00	100.00	0	0	0	0	0	0	0	0

Material Aspects:

March 2023

Non S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100	98.38	0.047	1.15	0

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)	34.14	35.63	14.29	3.08	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	27.52	28.54	28.57	4.62	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	23.66	24.55	14.29	4.62	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	8.91	9.22	14.29	1.54	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	2.36	0.00	28.57	52.31	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	1.18	0.00	0.00	27.69	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.05	1.10	0.00	0.00	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)	0.46	0.48	0.00	0.00	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.46	0.48	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	0.26	0.00	0.00	6.15	0.00	0	0	0	0	0	0	0	0

Material Aspects:

March 2023

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
0	0	0	0	0

Venues

Venue - Non-directed Order Flow	Non-Directed 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)

Material Aspects: