

SIGNATURE SECURITIES - Held NMS Stocks and
Options Order Routing Public Report
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2nd Quarter, 2022

April 2022

S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
275	100.00	233	84.73	1	0.36	37	13.45	4	1.45

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other 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)
National Financial Services LLC(XSTM)	105	24.48	0	0.00	0	0.00	0	0.00	105	95.45	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG)	98	22.84	91	41.36	1	33.33	3	3.13	3	2.73	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	52	12.12	49	22.27	0	0.00	2	2.08	1	0.91	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(INST)	45	10.49	43	19.55	0	0.00	2	2.08	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	44	10.26	0	0.00	1	33.33	43	44.79	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	36	8.39	33	15.00	0	0.00	3	3.13	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	23	5.36	0	0.00	1	33.33	22	22.92	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	14	3.26	0	0.00	0	0.00	14	14.58	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	7	1.63	0	0.00	0	0.00	7	7.29	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	3	0.70	3	1.36	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

April 2022

Non-S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
1,051	100.00	1,000	95.15	9	0.86	42	4.00	0	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other 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)
National Financial Services LLC(XSTM)	400	25.71	0	0.00	0	0.00	0	0.00	400	96.85	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG)	385	24.74	380	38.50	3	25.00	2	1.39	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(INST)	235	15.10	232	23.51	1	8.33	2	1.39	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	194	12.47	189	19.15	4	33.33	1	0.69	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	170	10.93	167	16.92	1	8.33	2	1.39	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	48	3.08	0	0.00	2	16.67	46	31.94	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	41	2.63	0	0.00	1	8.33	40	27.78	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	21	1.35	0	0.00	0	0.00	21	14.58	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	18	1.16	0	0.00	0	0.00	18	12.50	0	0.00	0	0	0	0	0	0	0	0
Instinet	13	0.84	0	0.00	0	0.00	0	0.00	13	3.15	0	0	0	0	0	0	0	0
BlockCross(BLCK)	13	0.84	0	0.00	0	0.00	0	0.00	13	3.15	0	0	0	0	0	0	0	0

April 2022

Option Contracts
Summary

G1 Execution Services, LLC(ETMM)	222	12.83	206	20.34	9	31.03	7	3.76	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	190	10.98	184	18.16	2	6.90	4	2.15	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	48	2.77	0	0.00	1	3.45	47	25.27	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	34	1.97	0	0.00	0	0.00	34	18.28	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	32	1.85	0	0.00	0	0.00	32	17.20	0	0.00	0	0	0	0	0	0	0	0
Instinet	25	1.45	0	0.00	0	0.00	0	0.00	25	4.98	0	0	0	0	0	0	0	0
BlockCross(BLCK)	24	1.39	0	0.00	1	3.45	23	12.37	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)																		

May 2022

Option Contracts Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
246	100.00	158	64.23	9	3.66	79	32.11	0	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other 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)	125	49.60	85	53.80	3	33.33	37	43.53	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	46	18.25	42	26.58	3	33.33	1	1.18	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	39	15.48	4	2.53	0	0.00	35	41.18	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	36	14.29	22	13.92	2	22.22	12	14.12	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	6	2.38	5	3.16	1	11.11	0	0.00	0	0.00	0	0	0	0	0	0	0	0

June 2022

S&P 500 Stocks Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
352	100.00	257	73.01	0	0.00	27	7.67	68	19.32

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other 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)	120	22.99	91	37.14	0	0.00	6	4.80	23	15.44	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	93	17.82	52	21.22	0	0.00	4	3.20	37	24.83	0	0	0	0	0	0	0	0
National Financial Services LLC(NSTM)	81	15.52	0	0.00	0	0.00	0	0.00	81	54.36	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	62	11.88	0	0.00	2	66.67	60	48.00	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	57	10.92	54	22.04	0	0.00	3	2.40	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	52	9.96	42	17.14	0	0.00	6	4.80	4	2.68	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	37	7.09	0	0.00	1	33.33	36	28.80	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	8	1.53	0	0.00	0	0.00	8	6.40	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SCHO)	6	1.15	5	2.04	0	0.00	1	0.80	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	5	0.96	1	0.41	0	0.00	0	0.00	4	2.68	0	0	0	0	0	0	0	0

June 2022

Non-S&P 500 Stocks

