

Hightower Securities does not receive payment for order flow.														HIGHTOWER SECURITIES, LLC - Held NMS Stocks and Options Order Routing Public Report													
July 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	Net Payment Paid/Received for Market Orders(USD)		Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)		Net Payment Paid/Received for Other Orders(USD)											
20	100.00	7	35.00	0	0.00	13	65.00	0	0.00																		
Venue																											
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(per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(per hundred shares)									
New York Stock Exchange(NYSE)	40	65.45	0	0.00	0	0.00	40	49.38	0	0.00	0	0	0	0	0	0	0	0									
NASDAQ Execution Services, LLC(NSDQ)	32	36.36	0	0.00	0	0.00	32	39.51	0	0.00	0	0	0	0	0	0	0	0									
Clear EDDX US Equities Exchange(EDGX)	8	9.09	0	0.00	0	0.00	8	9.88	0	0.00	0	0	0	0	0	0	0	0									
VIRTU Americas, LLC(VNT)	3	3.41	3	42.86	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
Citadel Securities LLC(CDSE)	2	2.27	2	28.57	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
G1 Execution Services, LLC(ETMM)	1	1.14	1	14.29	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
Jane Street Capital, LLC(JNST)	1	1.14	1	14.29	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
Members Exchange(MEMX)	1	1.14	0	0.00	0	0.00	1	1.23	0	0.00	0	0	0	0	0	0	0	0									
July 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	Net Payment Paid/Received for Market Orders(USD)		Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)		Net Payment Paid/Received for Other Orders(USD)											
17	100.00	5	29.41	1	5.88	3	17.65	8	47.06																		
Venue																											
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(per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(per hundred shares)									
New York Stock Exchange(NYSE)	19	57.78	0	0.00	0	0.00	19	66.36	0	0.00	0	0	0	0	0	0	0	0									
VIRTU Americas, LLC(VNT)	8	22.22	1	20.00	1	100.00	1	4.55	5	62.50	0	0	0	0	0	0	0	0									
Citadel Securities LLC(CDSE)	5	13.89	2	40.00	0	0.00	3	17.50	0	0.00	0	0	0	0	0	0	0	0									
Clear EDDX US Equities Exchange(EDGX)	1	2.78	0	0.00	0	0.00	1	4.55	0	0.00	0	0	0	0	0	0	0	0									
Jane Street Capital, LLC(JNST)	1	2.78	1	20.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
NASDAQ Execution Services, LLC(NSDQ)	1	2.78	0	0.00	0	0.00	1	4.55	0	0.00	0	0	0	0	0	0	0	0									
Two Sigma Securities, LLC(TSHO)	1	2.78	1	20.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
July 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	Net Payment Paid/Received for Market Orders(USD)		Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)		Net Payment Paid/Received for Other Orders(USD)											
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00																		
Venue																											
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(per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(per hundred shares)									
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	Net Payment Paid/Received for Market Orders(USD)		Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)		Net Payment Paid/Received for Other Orders(USD)											
21	100.00	21	32.14	0	0.00	5	11.86	0	0.00																		
Venue																											
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(per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(per hundred shares)									
New York Stock Exchange(NYSE)	29	43.28	0	0.00	0	0.00	29	65.91	0	0.00	0	0	0	0	0	0	0	0									
NASDAQ Execution Services, LLC(NSDQ)	12	17.91	0	0.00	0	0.00	12	27.27	0	0.00	0	0	0	0	0	0	0	0									
Citadel Securities LLC(CDSE)	10	14.93	10	43.48	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
VIRTU Americas, LLC(VNT)	6	8.56	6	26.09	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
Clear EDDX US Equities Exchange(EDGX)	3	4.48	0	0.00	0	0.00	3	6.82	0	0.00	0	0	0	0	0	0	0	0									
G1 Execution Services, LLC(ETMM)	3	4.48	3	13.04	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
Jane Street Capital, LLC(JNST)	3	4.48	3	13.04	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
UBS Securities, LLC(UBS)	1	1.49	1	4.35	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0									
August 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	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)		
24	100.00	21	84.21	0	0.00	2	5.88	0	0.00										
Venue																			
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(CDR6)	14	60.00	14	43.75	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
GI Execution Services, LLC(ETMM)	7	29.00	7	21.88	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
VIRTU Americas, LLC(NTF)	7	29.00	6	18.75	0	0.00	1	50.00	0	0.00	0	0	0	0	0	0	0	0	
Jane Street Capital, LLC(JNST)	5	14.29	5	15.63	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
Instinet BlockCo(BLKX)	1	2.86	0	0.00	0	0.00	0	0.00	1	100.00	0	0	0	0	0	0	0	0	
Clear EDCX US Equities Exchange(EDGX) August 2022	1	2.86	0	0.00	0	0.00	1	50.00	0	0.00	0	0	0	0	0	0	0	0	
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										
1	100.00	1	100.00	0	0.00	0	0.00	0	0.00										
Venue																			
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(CDR6)	1	100.00	1	100.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
September 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										
39	100.00	37	94.87	0	0.00	2	5.13	0	0.00										
Venue																			
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)	
GI Execution Services, LLC(ETMM)	15	31.25	15	35.21	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
Citadel Securities LLC(CDR6)	13	27.08	13	30.95	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
Jane Street Capital, LLC(JNST)	8	16.67	8	19.05	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
VIRTU Americas, LLC(NTF)	7	14.58	6	14.29	0	0.00	1	16.67	0	0.00	0	0	0	0	0	0	0	0	
New York Stock Exchange(NYSE)	3	6.25	0	0.00	0	0.00	3	50.00	0	0.00	0	0	0	0	0	0	0	0	
Clear EDCX US Equities Exchange(EDGX) September 2022	2	4.17	0	0.00	0	0.00	2	33.33	0	0.00	0	0	0	0	0	0	0	0	
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										
12	100.00	27	84.38	2	6.25	2	6.25	1	8.33										
Venue																			
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(CDR6)	17	34.00	16	53.33	0	0.00	0	0.00	1	50.00	0	0	0	0	0	0	0	0	
New York Stock Exchange(NYSE)	11	22.00	0	0.00	0	0.00	11	68.75	0	0.00	0	0	0	0	0	0	0	0	
GI Execution Services, LLC(ETMM)	9	18.00	8	26.67	1	50.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
VIRTU Americas, LLC(NTF)	5	10.00	4	13.33	1	50.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
Jane Street Capital, LLC(JNST)	2	4.00	2	6.67	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	
Members Exchange(MEMX)	2	4.00	0	0.00	0	0.00	2	37.50	0	0.00	0	0	0	0	0	0	0	0	
NYSE arca(NCA)	1	2.00	0	0.00	0	0.00	1	6.25	0	0.00	0	0	0	0	0	0	0	0	
Instinet BlockCo(BLKX)	1	2.00	0	0.00	0	0.00	0	0.00	1	100.00	0	0	0	0	0	0	0	0	
Clear EDCX US Equities Exchange(EDGX)	1	2.00	0	0.00	0	0.00	1	6.25	0	0.00	0	0	0	0	0	0	0	0	
NASDAQ Execution Services, LLC(NSDQ) September 2022																			
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										
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00										
Venue																			
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)	

Hightower Securities LLC - Held NMS Stocks and Options Order Routing Public Report

July 2022

S&P 500 Stocks	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
High	100%	100%	100%	100%	100%
Venue					

