BUTTONWOOD PARTNERS, INC. - Held NMS Stocks and Options Order Routing Public Report Generated on Tue Oct 10 2023 09:18:15 GMT-4 EDT

3rd Quarter, 2023

July 2023

S&P 500 Stocks Summary

Summary																			
Total Non-Direct		Total Market Or		Total Marketable Limit Orders	Directed Orders	Total Non-Marketable Limit Orders		lers Total Other Orders		rs									
	64 100	.00	64 100	0.00	0 0.0	00	0 0	0.00	0 0.	00									
Venues																			
Venue - Non-		Non-Directed			Marketable Limit		Non-Marketable	Non-Marketable			Net Payment Paid/Received for	Net Payment Paid/Received for Market Orders(cent	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable	Net Payment Paid/Received for Non-Marketable	Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents	
directed Order Fl	ow Non-Directed Ord	ers Orders(%)	Market Orders	Market Orders(9	6) Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)		) per hundred shares	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)		
Citadel Securities LLC(CDRG)		28	44.44	28 4	14.44	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0 0	)
Jane Street Capit LLC(JNST)	al,	13	20.63	13 2	10.63	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0 0	)
G1 Execution																			
Services, LLC(ETN VIRTU Americas,		12	19.05	12 1	19.05	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0 0	)
LLC(NITE)		9	14.29	9 1	4.29	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0 0	)
Two Sigma Securities,																			
LLC(SOHO)		1	1.59	1	1.59	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0 0	J
July 2023																			
Non-S&P 500 Sto Summary	ocks																		
Total Non-Direct		Total Market Or		Total Marketable Limit Orders	Directed Orders	Total Non-Marketable Limit Orders		lers Total Other Orders		rs									
	41 100	.00	37 90	0.24	0 0.0	00	4 9	9.76	0 0.	00									
Venues																			
												Not Downson	Not Downson	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for		Net Payment	
											Net Payment	Net Payment Paid/Received for	Net Payment Paid/Received for	Marketable Limit	Paid/Received for	Non-Marketable	Net Payment	Paid/Received for	
		Non-Directed																	
	ow Non-Directed Ord		Market Orders	Market Orders(%	Marketable Limit  6) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(USI	Market Orders(cent ) per hundred shares		Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)			Other Orders(cents per hundred shares)	
directed Order FI Citadel Securities LLC(CDRG)	5	ers Orders(%)	Market Orders 24.49			Marketable Limit Orders(%)					Market Orders(USI	) per hundred shares	) Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares		per hundred shares)	
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit	5	ers Orders(%)		12 3	6) Orders 32.43		Limit Orders	Limit Orders(%)	00	0	Market Orders(USI	per hundred shares	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	) Other Orders(USD)	per hundred shares)	0
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas,	al,	ers Orders(%) 12	24.49 18.37	12 3 9 2	6) Orders 12.43 14.32	0	Limit Orders 0.00 0.00	Umit Orders(%)  0 0.  0 0.	00	0	Market Orders(USI 0.00	<ul><li>per hundred shares</li><li>0</li><li>0</li></ul>	Orders(USD)	hundred shares) 0	Limit Orders(USD)  0	per hundred shares 0	Other Orders(USD)  O	per hundred shares)	0
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit LLC(JNST)	al,	ers Orders(%) 12	24.49	12 3 9 2	6) Orders 12.43 14.32	0	Limit Orders	Limit Orders(%)	00	0	Market Orders(USI 0.00	<ul><li>per hundred shares</li><li>0</li><li>0</li></ul>	Orders(USD)	hundred shares) 0	Limit Orders(USD)	per hundred shares 0	Other Orders(USD)	per hundred shares)	0
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit LLC(INST) VIRTU Americas, LLC(NITE)  NASDAQ Executin	s al, on	ers Orders(%)  12  9  9	24.49 18.37 18.37	12 3 9 2 9 2	6) Orders 12.43 14.32	0	Limit Orders 0.00 0.00 0.00	Limit Orders(%)  0 0.  0 0.	000	0 0	Market Orders(USI 0.00 0.00 0.00	per hundred shares	Orders(USD)	hundred shares) 0 0	Limit Orders(USD)  0  0	per hundred shares 0 0	Other Orders(USD)  O	per hundred shares) 0 0 0	0
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas, LLC(NITE)	s al, on	ers Orders(%)  12  9  9	24.49 18.37	12 3 9 2 9 2	6) Orders 12.43 14.32 14.32	0	Limit Orders 0.00 0.00	Umit Orders(%)  0 0.	000	0 0	Market Orders(USI 0.00 0.00 0.00	per hundred shares	Orders(USD)	hundred shares) 0 0	Limit Orders(USD)  0	per hundred shares 0 0	Other Orders(USD)  O	per hundred shares)  0 0 0 0 0	0
directed Order FI Citadel Securities LLC(CDRG) Jane Street Capit LLC(INST) VIRTU Americas, LLC(NITE)  NASDAQ Execution Services, LLC(NSTG) G1 Execution	s al, on on oQ)	ers Orders(%)  12  9  9  8	24.49 18.37 18.37	12 3 9 2 9 2	6) Orders 12.43 24.32 24.32	0	Limit Orders 0.00 0.00 0.00	Umit Orders(%)  0 0.  0 0.  0 0.  8 66.	00 00 00	0 0	Market Orders(USI 0.00 0.00 0.00	o) per hundred shares 0 0 0	Orders(USD)	hundred shares) 0 0	Limit Orders(USD)  0  0	per hundred shares 0 0 0 0	Other Orders(USD)  O	per hundred shares) 0 0 0	0
directed Order FI Citadel Securitier LLC(DRG) Jane Street Capit LLC(INST) VIRTU Americas, LLC(NITE)  NASDAQ Executin Services, LLC(INST G1 Execution Services, LLC(ETA Choe EDGX US	s al, on on oQ)	ers Orders(%)  12  9  9  8	24.49 18.37 18.37	12 3 9 2 9 2	6) Orders 12.43 24.32 24.32	0	Limit Orders 0.00 0.00 0.00	Umit Orders(%)  0 0.  0 0.  0 0.  8 66.	000	0 0	Market Orders(USI) 0.00 0.00 0.00 0.00	o) per hundred shares 0 0 0	) Orders(USD) 0 0 0	hundred shares) 0 0	Limit Orders(USD)  0  0  0	per hundred shares 0 0 0 0	Other Orders(USD)  O  O	per hundred shares)  0 0 0  0 0  0 0  0 0	0
directed Order FI Citadel Securities LLC(IORG) Jane Street Capita LLC(INST) VIRTU Americas, LLC(NITE)  NASDAQ Executi Services, LLC(INST G1 Execution Services, LLC(EXT Choe EDGX US Equities Exchange(EDGX)	s al, on on oQ)	12 9 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	24.49 18.37 18.37	12 3 9 2 9 2 0	6) Orders 12.43 14.32 14.32 10.00	0	Limit Orders 0.00 0.00 0.00	Umit Orders(%)  0 0.  0 0.  0 0.  8 66.	00 00 00 57	0 0 0	Market Orders(USE 0.00 0.00 0.00	p) per hundred shares     0     0     0	) Orders(USD) 0 0 0	hundred shares) 0 0 0 0	Limit Orders(USD)  0  0  0	per hundred shares 0 0 0 0	Other Orders(USD)  O  O	per hundred shares)  0 0 0  0 0  0 0  0 0  0 0  0 0  0 0	0
directed Order if Citadel Securities LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas, LLC(NTE) VIRTU Americas, LLC(NTE) G1 Execution Services, LLC(INST G1 Execution Services, LLC(INST G2 Exchange(EDGX) Members Exchange(EDGX) Members Exchange(MEMX)	s al, on OQ)	12 9 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	24.49 18.37 18.37 16.33	12 3 9 2 9 2 0 6 1	22.43 2.43 2.43 2.43 2.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0	Limit Orders 0.00 0.00 0.00 0.00 0.00	Limit Orders(%)  0 0.  0 0.  0 0.  8 66.	00 00 00 00 57	0 0 0	Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	p) per hundred shares  o  o  o  o  o  o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0	O Other Orders(USD)	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Citadel Securitie LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas, LLC(NTE)  MASDAQ Execution Services, LLC(INST G1 Execution Services, LLC(INST LODe EDOK US Equities Exchange(EDOK) Members Exchange(MEMX Two Sigma Securities,	s al, on OQ)	12 9 9 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24.49 18.37 16.33 6.12 2.04	12 3 9 2 9 2 0 0 6 1 1 0 0 0	(c) Orders 12.43 14.43 12.43 16.22 10.00 10.00 10.00		Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00	Umit Orders(%)  0	000 000 000 000 000 000 000		Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Citadel Securitie LLC(CDR6) LLC(LDR6) LLC(LDR6) LLC(LDR6) LLC(LDR6) NASDAQ Executi Services, LLC(LST G1 Execution Services, LLC(ETA Choe EDGA, US Equities Exchange(EDGA) Members Exchange(MEMX Two Sigma	s al, on OQ)	12 9 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	24.49 18.37 16.33 12.24	12 3 9 2 9 2 0 0 6 1 1 0 0 0	(c) Orders 12.43 14.43 12.43 16.22 10.00 10.00 10.00		Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00	Limit Orders(%)  0 0.  0 0.  0 0.  8 66.  0 0.  3 25.	000 000 000 000 000 000 000		Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD) 0 0 0 0 0 0 0 0	per hundred shares 0 0 0 0 0 0 0 0 0	Other Orders(USD)  Other Orders(USD)  Other Orders(USD)  Other Orders(USD)  Other Orders(USD)	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Citadel Securitie LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas, LLC(NTE)  MASDAQ Execution Services, LLC(INST G1 Execution Services, LLC(INST LODe EDOK US Equities Exchange(EDOK) Members Exchange(MEMX Two Sigma Securities,	s al, on OQ)	12 9 9 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24.49 18.37 16.33 6.12 2.04	12 3 9 2 9 2 0 0 6 1 1 0 0 0	(c) Orders 12.43 14.43 12.43 16.22 10.00 10.00 10.00		Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00	Umit Orders(%)  0	000 000 000 000 000 000 000		Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Claded Securitie LL(CDRG) JUNCTORG) JUNCTORG JUNCTORG NASDAQ Executio Services, LLC(INST) G1 Execution Services, LLC(INST Choe EDOX US Exchange(EDOX) Members Exchange(EDOX) Members Exchange(MEMX TWO Sigma Securities, LLC(SHO) July 2023 Option Contracts	s al, on DQ)	12 9 9 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24.49 18.37 16.33 6.12 2.04	12 3 9 2 9 2 0 0 6 1 1 0 0 0	(c) Orders 12.43 14.43 12.43 16.22 10.00 10.00 10.00		Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00	Umit Orders(%)  0	000 000 000 000 000 000 000		Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order Fi Cladel Securitie LLC(CDRG) Jane Street Capit LLC(JNST) VIRTU Americas, LLC(NTE)  NASDAQ Execution Services, LLC(CNST) G1 Execution Services, LLC(NST) G2 Exchange(EDGX) Members Exchange(EDGX) Members Exchange(MEMX Two Sigma Securities, LLC(SOHO)  July 2023	s al, on DQ)	12 9 9 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.49 18.37 18.37 16.33 12.24 6.12 2.04	12 3 9 2 9 2 0 0 6 1 1 0 0 1	(c) Orders 12.43 1		Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	Umit Orders(%)  0	000 000 000 000 000 000 000		Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Claded Securitie LL(CDRG) JUNCTORG) JUNCTORG JUNCTORG NASDAQ Executio Services, LLC(INST) G1 Execution Services, LLC(INST Choe EDOX US Exchange(EDOX) Members Exchange(EDOX) Members Exchange(MEMX TWO Sigma Securities, LLC(SHO) July 2023 Option Contracts	on DQ)  AMN)  Non-Directed Order as % of All Orders	ers Orden(%)  12  9  8  6  3  1  1  1  1  1	24.49 18.37 18.37 16.33 12.24 6.12 2.04  Market Orders as done of Non-Directed ders Orders Orders Orders	12 3 9 2 9 2 0 6 1 0 0 1 Total Marketabli	(c) Orders (12.43 (14.32 (16.22 (10.00 (10.0	0 0 0 0 0 0 Total Non-Marketable Limit Orders	Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Non-Marketable Limit Orders as 5% Non-Olivers as 5%	Limit Orders(%)  0	200 200 200 200 200 200 200 200 200 200	0	Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order Fi Claded Securitie LLC(DRG) JAIC STREET CAPIT LLC(JNST) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT)  MASDAQ Execution Services, LLC(NST) G1 Execution Services, LLC(NST) Services, LLC(NST) Equities Exchange(EDGX) Members Exchange(EDGX) Members Exchange(EMEMX Two Sigma Securities, LLC(SOHO)  July 2023 Option Contracts Summary  Total Non-Directo Orders	on DQ)  AMN)  Non-Directed Order as % of All Orders	ers Orden(%)  12  9  8  8  6  1  1	24.49 18.37 18.37 16.33 12.24 6.12 2.04  Market Orders as done of Non-Directed ders Orders Orders Orders	12 3 9 2 9 2 0 0 6 1 1 0 0 1 1 1 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(c) Orders  12.43  24.43  2.43  0.00  0.00  0.00  Marketable Limit  Orders as % of Non	0 0 0 0 0 0 Total Non-Marketable Limit Orders	Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Non-Marketable Limit Orders as 5% Non-Olivers as 5%	Limit Orders(%)  0	00 00 00 00 00 00 00 00 00 00 00 00 00	0	Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order #1 Citadel Securities LL(CDRG) JUNCTORG) JUNCTORG NASDAQ Executi Services, LLC(INST) GI Execution GI Execut	on DQ)  AMN)  Non-Directed Order as % of All Orders	ers Orden(%)  12  9  8  6  3  1  1  1  1  1	24.49 18.37 18.37 16.33 12.24 6.12 2.04  Market Orders as done of Non-Directed ders Orders Orders Orders	12 3 9 2 9 2 0 6 1 0 0 1 Total Marketabli	(c) Orders (12.43 (14.32 (16.22 (10.00 (10.0	0 0 0 0 0 0 Total Non-Marketable Limit Orders	Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Non-Marketable Limit Orders as 5% Non-Olivers as 5%	Limit Orders(%)  0	200 200 200 200 200 200 200 200 200 200	0	Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0	Limit Orders(USD)  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 0 0 0	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0
directed Order Fi Claded Securitie LLC(DRG) JAIC STREET CAPIT LLC(JNST) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT)  MASDAQ Execution Services, LLC(NST) G1 Execution Services, LLC(NST) Services, LLC(NST) Equities Exchange(EDGX) Members Exchange(EDGX) Members Exchange(EMEMX Two Sigma Securities, LLC(SOHO)  July 2023 Option Contracts Summary  Total Non-Directo Orders	on DQ)  AMN)  Non-Directed Order as % of All Orders	ers Orden(%)  12  9  8  6  3  1  1  1  1  1	24.49 18.37 18.37 16.33 12.24 6.12 2.04  Market Orders as done of Non-Directed ders Orders Orders Orders	12 3 9 2 9 2 0 6 1 0 0 1 Total Marketabli	(c) Orders (12.43 (14.32 (16.22 (10.00 (10.0	0 0 0 0 0 0 Total Non-Marketable Limit Orders	Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Non-Marketable Limit Orders as 5% Non-Olivers as 5%	Limit Orders(%)  0	200 200 200 200 200 200 200 200 200 200	0	Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o	0 Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares) 0 0 0 0 0 0 0 0 Net Payment	Umit Orders(USD)  0  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 0 Net Payment	0 Other Orders(USD) 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0 O	per hundred shares)	0
directed Order Fi Claded Securitie LLC(DRG) JAIC STREET CAPIT LLC(JNST) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT) VIRTU Americas, LLC(NTT)  MASDAQ Execution Services, LLC(NST) G1 Execution Services, LLC(NST) Services, LLC(NST) Equities Exchange(EDGX) Members Exchange(EDGX) Members Exchange(EMEMX Two Sigma Securities, LLC(SOHO)  July 2023 Option Contracts Summary  Total Non-Directo Orders	on DQ)  AMN)  Non-Directed Order as % of All Orders	ers Orden(%)  12  9  8  6  3  1  1  1  1  1	24.49 18.37 18.37 16.33 12.24 6.12 2.04  Market Orders as done of Non-Directed ders Orders Orders Orders	12 3 9 2 9 2 0 6 1 0 0 1 Total Marketabli	(c) Orders (12.43 (14.32 (16.22 (10.00 (10.0	0 0 0 0 0 0 Total Non-Marketable Limit Orders	Limit Orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Non-Marketable Limit Orders as 5% Non-Olivers as 5%	Limit Orders(%)  0	200 200 200 200 200 200 200 200 200 200	0	Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00	o) per hundred shares o o o o o o o o o o o o o o o o o o o	Orders(USD)  O  O  O  Net Payment Paid/Received for	hundred shares) 0 0 0 0 0 0 0 0	Umit Orders(USD)  0  0  0  0  0  0  0	per hundred shares 0 0 0 0 0 0 1 1 Net Payment Paid/Received for	Other Orders(USD)  O  O  O  Net Payment	per hundred shares)  C  C  C  C  C  C  C  C  C  C  C  C  C	0

August 2023 S&P 500 Stocks Summary

159	as % of All Orde	ders rs Total Market ( 10.00	Market Orders of Non-Directe Orders Orders 157	s as % Ed Total Marketable Limit Orders 98.74	Marketable Limit Orders as % of Non Directed Orders 0 0.0	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % o Non-Directed Orde 2	ers Total Other Orders											
Venue - Non- directed Order Flow	Non Directed O	Non-Directed	Market Orders	s Market Orders(%	Marketable Limit	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for	Net Payment Paid/Received for Market Orders(cent) per hundred shares	Net Payment Paid/Received for ts Marketable Limit	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	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred share:	s
Citadel Securities LLC(CDRG)	Non-Directed O	66	41.51		2.04	0	0.00	0 0.				o per nunarea snares		nunarea snares)			0 Other Orders(USD)		0
VIRTU Americas, LLC(NITE)		36	22.64		2.93	0	0.00	0 0.				0		0		0	0	0	0
Jane Street Capital, LLC(JNST)		25	15.72			0	0.00	0 0.									0	0	0
G1 Execution Services, LLC(ETMM)		23	14.47	23 14	4.65	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)		5	3.14	5 3	3.18	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)		2	1.26	0 (	0.00	0	0.00	2 100.	00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)		2	1.26	2	1.27	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
August 2023																			
Non-S&P 500 Stocks Summary																			
Total Non-Directed Orders	as % of All Orde	ders rs Total Market (	Orders Orders	s as % ed Total Marketable Limit Orders 97.73		Total Non-Marketable Limit Orders		ers Total Other Orders											
Venues				33	-									Net Payment		Net Payment			
Venue - Non- directed Order Flow		Non-Directed	Market Orders		Marketable Limit	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders		Net Payment Paid/Received for	Net Payment Paid/Received for Market Orders(cent	Net Payment Paid/Received for ts Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred share:	s
Citadel Securities LLC(CDRG)	Non-Directed O	aers Orders(%)	35.24		) Orders	Marketable Limit Orders(%)	100.00	0 0.		Other Orders(%)		, ,	,	hundred shares)		per nundred shares	Other Orders(USD)		s) 0
VIRTU Americas, LLC(NITE)		19	18.10			0	0.00	0 0.					-		-	0	0		0
G1 Execution																			
Services, LLC(ETMM)		18	17.14	18 20	0.93	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)		16	15.24	0 0	0.00	0	0.00	16 94.	12	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)		12	11.43	12 13	3.95	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX) Cboe EDGX US		1	0.95	0 (	0.00	0	0.00	0 0.	00	1 10	0.00	0	0	0	0	0	0	0	0
Equities Exchange(EDGX)		1	0.95	0 0	0.00	0	0.00	1 5.	88	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)		1	0.95	1	1.16	0	0.00	0 0.		0	0.00	0	0	0	0	0	0	0	0
August 2023																			
Option Contracts Summary																			
Total Non-Directed Orders	as % of All Orde	ders rs Total Market (	Orders Orders	as % ed Total Marketable Limit Orders 100.00	Marketable Limit Orders as % of Non Directed Orders 0 0.0	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % o Non-Directed Orde 0 0.	ers Total Other Orders	Other Orders as % Non-Directed Ord										
Venues																			
											Net Payment	Net Payment Paid/Received for	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Received for	Net Payment Paid/Received for Non-Marketable	Net Payment	Net Payment Paid/Received for	
Venue - Non- directed Order Flow Susquehanna	Non-Directed O	Non-Directed ders Orders(%)	Market Orders	Market Orders(%	Marketable Limit ) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(USD	Market Orders(cent ) per hundred shares		Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)	Limit Orders(cents per hundred shares	Paid/Received for ) Other Orders(USD)	Other Orders(cents per hundred share:	
Capital Group(SUSQ)		1	100.00	1 100	0.00	0	0.00	0 0.	00	0	0.00	0	0	0	0	0	0	0	0
September 2023																			
S&P 500 Stocks Summary																			
		ders rs Total Market (	Orders Orders	s as % ed Total Marketable Limit Orders 100.00	Marketable Limit Orders as % of Non Directed Orders 0 0.0	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % o Non-Directed Orde 0 0.	ers Total Other Orders											

Venue - Non- directed Order Flo Citadel Securities	ow Non-Directed Or	Non-Directed ders Orders(%)	l Market Orders	Market Orders	Marketable Limit	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)		Other Orders(%)	Net Payment Paid/Received for Market Orders(US	Net Payment Paid/Received for Market Orders(cen D) per hundred share	ts Marketable Limit	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Limit Orders(cents	Net Payment Paid/Received for s) Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred share:	
LLC(CDRG)		30	48.39	30	48.39	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)		18	29.03	18	29.03	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
G1 Execution																			
Services, LLC(ETM Jane Street Capita		9	14.52	9	14.52	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
LLC(JNST)	",	4	6.45	4	6.45	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities,																			
LLC(SOHO)		1	1.61	1	1.61	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
September 2023																			
Non-S&P 500 Stoc Summary	iks																		
Orders		ders s Total Market 0.00			Directed Orders			of ers Total Other Orde											
Venues																			
Venue - Non- directed Order Flo VIRTU Americas,	ow Non-Directed Or	Non-Directed ders Orders(%)	l Market Orders	Market Orders	Marketable Limit	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)		Other Orders(%)	Net Payment Paid/Received for Market Orders(US	Net Payment Paid/Received for Market Orders(cen D) per hundred share	ts Marketable Limit	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 share	Net Payment Paid/Received for s) Other Orders(USD)		
LLC(NITE)		25	54.35	25	54.35	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG)		12	26.09	12	26.09	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
G1 Execution																			
Services, LLC(ETM Jane Street Capita		4	8.70	4	8.70	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
LLC(JNST) Two Sigma	,	4	8.70	4	8.70	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
Securities,																			
LLC(SOHO)		1	2.17	1	2.17	0	0.00	0	0.00	0 (	0.00	0	0	0	0	0	0	0	0
September 2023																			
Option Contracts Summary																			
			Market Orders a		Marketable Limit		Non-Marketable												
Orders		ders 's Total Market 0.00		Total Marketa Limit Orders 0.00	Directed Orders	n- Total Non-Marketable Limit Orders .00		of ers Total Other Orde .00											
Venues																			
Venue - Non- directed Order Flo		Non-Directed	l Market Orders	Market Orders	Marketable Limit		Non-Marketable	Non-Marketable			Net Payment Paid/Received for	Net Payment Paid/Received for Market Orders(cen		Net Payment Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable		Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents	s