SCF SECURITIES, INC. - Held NMS Stocks and Options Order Routing Public Report Generated on Fri Apr 07 2023 08:57:55 GMT-4 EDT

January 2023 S&P 500 Stocks Summary

				Market Orders as %		Marketable Limit		Non-Marketabl			
		Non-Directed		Market Orders as %		Marketable Limit		Limit Orders as	% of	Other Orders as %	
Total Non-Di	rected	Orders as % of All		of Non-Directed	Total Marketable	Orders as % of Non-		Non-Directed		of Non-Directed	
Orders		Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders	
	691	100.00	565	81.77	33	4.78		63	9.12 3) 4.34	
Venues											

Venue - Non- directed Order Flov	Non-Directed w Orders	Non-Directed Orders(%)	Market Orders	Market Orde	Marketable Lin s(%) Orders	it Marketable Limit Orders(%)	Non-Market Limit Order			Other Order	Net Payment Paid/Received fo s(%) Market Orders(U	Net Payment Paid/Received for Market r Orders(cents per SD) 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)	Limit Orders(cent	Net Payment s Paid/Received for is) Other Orders(USD		nts
Citadel Securities																			
LLC(CDRG)		242	33.15	195	34.51	10	30.30	20	19.61	17	56.67	0	0	0	0	0	0	0	0
VIRTU Americas,																			
LLC(NITE)		187	25.62	155	27.43	10	30.30	10	9.80	12	40.00	0	0	0	0	0	0	0	0
G1 Execution																			
Services, LLC(ETMM)			22.60				27.27											0	
Jane Street Capital.		165	22.60	148	26.19	9	27.27	8	7.84	0	0.00	0	0	0	0	0	0	0	0
LLC(INST)		59	8.08	55	9.73		3.03		2.94	0	0.00	0						0	0
New York Stock		59	8.05	22	9.75	1	3.05	3	2.94	0	0.00	0	0	0	0	0	0	0	0
Exchange(NYSE)		28	3.84	0	0.00	0	0.00	28	27.45	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ Choe EDGX US		17	2.33	0	0.00	0	0.00	17	16.67	0	0.00	0	0	0	0	0	0	0	0
Equities Exchange(EDGX)		12	1.64	0	0.00	0	0.00	12	11.76	0	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)			1.23	8	1.42	1	3.03	0	0.00	0	0.00	0	0	0	0		0	0	0
Members																			
Exchange(MEMX)		4	0.55	0	0.00	0	0.00	4	3.92	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)		4	0.55	3	0.53	1	3.03	0	0.00	0	0.00	0	0	0	0	0	0	0	0

January 2023 Non-S&P 500 Stocks Summary

								Non	-Marketable			
		Non-Directed		Market Orders as %		Marketable Limit		Limi	t Orders as % of		Other Orders as	%
Total Non-Direct	ed	Orders as % of All			Total Marketable	Orders as % of Non-		Non	-Directed		of Non-Directed	
Orders		Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Ord	215	Total Other Orders	Orders	
1,1	046	100.00	891	85.18	43	4.11		73	6.98	39		3.73
Venues												

directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(Marketable Limit 6) Orders	Marketable Limit Orders(%)	Non-Marketat Limit Orders	ale Non-Marketa Limit Orders(Other Orders	Net Payment Paid/Received for %) Market Orders(US	Net Payment Paid/Received for Market Orders(cents per D) 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)	Limit Orders(cent	Net Payment	Net Payment Paid/Received for Other Orders[cen per hundred share	nts
Citadel Securities																			
LLC(CDRG)		413	32.60	354 3	9.73	18	41.86	15	5.34	26	50.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE) G1 Execution		253	19.97	224 2	5.14	13	30.23	3	1.07	13	25.00	0	0	5	0	0	0	0	0
Services, LLC(ETMM)		216	17.05	200 2	2.45	11	25.58	5	1.78	0	0.00	0	0		0	0	0	0	0
New York Stock Exchange(NYSE)		140	11.05	0	0.00	0	0.00	140	49.82	0	0.00	0	0		0	0	0	0	0
Jane Street Capital, LLC(JNST) Choe EDGX US		85	6.71	84	9.43	1	2.33	0	0.00	0	0.00	0	0		0	0	0	0	0
Equities Exchange(EDGX)		52	4.10	0	0.00	0	0.00	52	18.51	0	0.00	0	•		0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ) Members		39	3.08	0	0.00	0	0.00	39	13.88	0	0.00	0	0		0	0	0	0	0
Exchange(MEMX)		17	1.34	0	0.00	0	0.00	17	6.05	0	0.00	0	0		0	0	0	0	0
BlockCross(BLKX) StoneX Financial		13	1.03	0	0.00	0	0.00	0	0.00	13	25.00	0	0	2	0	0	0	0	0
INC.(INTL)		11	0.87	11	1.23	0	0.00	0	0.00	0	0.00	0	0	5	0	0	0	0	0

January 2023 Option Contracts Summary

		N	Ion-Directe	d		Market Ord	ers as %		Marketa	ble Limit		Non-Mari Limit Ord	ketable iers as % of		Other Ord	ers as %
Tot	al Non-Directed Orders as % of All		of Non-Dire		Total Marketable		s % of Non-		Non-Dire			of Non-Dir	ected			
On	rs Orders Total Market Orders				Limit Orders	Directer		Total Non-Marketable Limit Orders	Orders		Total Other Orders	Orders				
		132		100.00	7	77	58.33		7	5.30)	48	36.36		0	0.00
Ve	ues															

Venue - Non- N directed Order Flow O Citadel Securities	Non-Directed Orders	Non-Directed Orders(%)	d Market Orders	Market Orders(Marketable Limit G) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketa Limit Orders(Other Orders	Net Payment Paid/Received for %) Market Orders(US	Net Payment Paid/Received for Market Orders(cents per D) 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)	Limit Orders(cents	Net Payment		ts
LLC(CDRG)	e	50	40.27	33 4	2.86	2	66.67	25	36.23	0	0.00	0	o 1		0	0	0	0	0
Susquehanna																			
Capital Group(SUSQ)	3	34	22.82	33 4	2.86	1	33.33	0	0.00	0	0.00	0	0	5	0	0	0	0	0
Dash Financial Technologies																			
LLC(DASH) Wolverine	3	80	20.13	7	9.09	0	0.00	23	33.33	0	0.00	0	0 1	0	0	0	0 1	0	0
Execution Services LLC(WEXX) Morgan Stanley &	3	22	14.77	2	2.60	0	0.00	20	28.99	0	0.00	0	•		0	0	0	0	0
Company LLC(MSCO)		3	2.01	2	2.60	0	0.00	1	1.45	0	0.00	0	0 1		0	0	0	0	0

February 2023 S&P 500 Stocks Summary

						Other Orders as %
All I	of Non-Directed Total Market	table Orders as % of Non-		Non-Directed		of Non-Directed
Total Market Orders	Orders Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders
00.00 784	92.13	10 1.18	1	.7 2.00	40	4.70
	All Total Market Orders	Total Market Orders Orders Limit Orders	All of Non-Directed Total Marketable Orders as % of Non- Total Market Orders Orders Limit Orders Directed Orders	All of Non-Directed Total Marketable Orders as % of Non- Total Market Orders Orders Limit Orders Directed Orders Total Non-Marketable Limit Orders	All of Non-Directed Total Marketable Orders as % of Non- Non-Directed Total Market Orders Limit Orders Directed Orders Total Non-Marketable Limit Orders Orders	Market Orders as % Marketable Limit Limit Orders as % of All or Inco-Directed Total Marketable Orders as % of Non-Non-Directed Total Market Orders Orders Orders Orders Order Total Non-Marketable Limit Orders Orders Total Other Orders

Venue - Non- Non-Directer directed Order Flow Orders Citadel Securities	I Non-D Order	Directed s(%)	Market Orders	Market Order	Marketable Limi rs(%) Orders	t Marketable Limit Orders(%)		on-Marketable mit Orders	Non-Marketabl Limit Orders(%)		Other Orders	Net Payment Paid/Received for %) Market Orders(US	Net Payment Paid/Received for Market Orders(cents per D) 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 share	Net Payment Paid/Received for s) Other Orders(USD		nts
LLC(CDRG)	315	33.8		294	36.84		36.36			2.44	15	36.59	0	0				0		
VIRTU Americas.	315	33.0	0	294	30.04	•	30.30		4	2.44	15	30.59	0	0	0	0	0	0	0	U
LLC(NITE)	254	27.2	5	224	28.07	4	36.36	-	2	3.66	23	56.10	0	0	0	0	0	0	0	0
G1 Execution																				
Services,																				
LLC(ETMM)	188	20.1	7	182	22.81	2	18.18	2	2	2.44	2	4.88	0	0	0	0	0	0	0	0
Jane Street Capital,																				
LLC(JNST)	80	8.5	8	79	9.90	1	9.09	0	D	0.00	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ) New York Stock	33	3.5	4	0	0.00	0	0.00	33	3 4	0.24	0	0.00	0	0	0	0	0	0	0	0
Exchange(NYSE) Choe EDGX US Equities	32	3.4	3	0	0.00	0	0.00	32	2 3	9.02	0	0.00	0	0	0	0	0	0	0	0
Exchange(EDGX) StoneX Financial	9	0.9		0	0.00	0	0.00	s	9 1	0.98	0	0.00	0	0	0	0	0	0	0	0
INC.(INTL) Two Sigma Securities.	7	0.7	5	7	0.88	0	0.00	c	D	0.00	0	0.00	0	0	0	0	0	0	0	0
LLC(SOHO) UBS Securities,	6	0.6	4	6	0.75	0	0.00	c	D	0.00	0	0.00	0	0	0	0	0	0	0	0
LLC(UBSS)	6	0.6	4	6	0.75	0	0.00	0	D	0.00	0	0.00	0	0	0	0	0	0	0	0

February 2023 Non-S&P 500 Stocks

Summary																		
							Non-Marketable											
	Non-Directed		Market Orders a	\$ %	Marketable Limit		Limit Orders as 9	6 of	Other Orders as	%								
Total Non-Directe	d Orders as % o	All	of Non-Directed	Total Marketable	Orders as % of Non		Non-Directed		of Non-Directed									
Orders	Orders	Total Market	Orders Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Order:	s Orders									
1,4	75	00.00	1.190 80	1.68 10	9 7.3	9	103	5.98	73 4	1.95								
Venues																		
												Net Payment		Net Payment		Net Payment		
												Paid/Received for	Net Payment	Paid/Received for	Net Payment	Paid/Received for		Net Payment
											Net Payment	Market	Paid/Received for	Marketable Limit	Paid/Received for	Non-Marketable	Net Payment	Paid/Received for
Venue - Non-	Non-Directed	Non-Directed			Marketable Limit		Non-Marketable	Non-Marketable							Non-Marketable	Limit Orders(cents		Other Ordersicents
directed Order Flo	w Orders	Orders(%)	Market Orders	Market Orders(%)	Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Market Ordersli IS) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	ner hundred shares)	Other Orders(USD)	per hundred shares)
												,			,			

Citadel Securities																			
LLC(CDRG)	9	75	31.52	456	36.42	43	37.07	28	7.39	48	62.34	0	0	0	0	0	0	0	0
VIRTU Americas,																			
LLC(NITE) G1 Execution	3	187	21.22	335	26.76	28	24.14	3	0.79	21	27.27	0	0	0	0	0	0	0	0
Services,																			
LLC(ETMM)	3	168	20.18	330	26.36	35	30.17	2	0.53	1	1.30	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)		53	8.39	0	0.00	0	0.00	153	40.37	0	0.00	0		0	0	0		0	0
Jane Street Capital.		.55	6.39	0	0.00	0	0.00	153	40.37	0	0.00	0	0	0	0	0	0	0	U
LLC(INST)	1	10	6.03	98	7.83	8	6.90	4	1.05	0	0.00	0	0	0	0	0	0	0	0
NASDAO Execution																			
Services, LLC(NSDQ)		82	4.50	0	0.00	0	0.00	82	21.64	0	0.00	0	0	0	0	0	0	0	ō
Choe EDGX US																			
Equities Exchange(EDGX)		78	4.28	0	0.00	0	0.00	78	20.58	0	0.00			0	0	0	0	0	0
Exchange(EDGX) Members			7.40	0	0.00	~	0.00	· 0	AU-30		0.00								U
Exchange(MEMX)		29	1.59	0	0.00	0	0.00	29	7.65	0	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)		18	0.99	16	1.28	2	1.72	0	0.00	0	0.00		0		0	0	0	0	0
Two Sigma		10	0.99	10	1.26	2	1.72	0	0.00	0	0.00	0	0	0	0	0	0	0	U
Securities,																			
LLC(SOHO)		14	0.77	14	1.12	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
February 2023																			
Option Contracts																			
Summary							Non-Marketab	de .											
N	Ion-Directed		Market Order		Marketable Lim		Limit Orders an	s % of	Other Orders as										
N Total Non-Directed O	Inders as % of Al		of Non-Direct	ed Total Marke	table Orders as % of P	ion-	Limit Orders a Non-Directed	s% of	of Non-Directed										
N Total Non-Directed O		Total Market	of Non-Direct Orders Orders		table Orders as % of P Directed Orders	ion-	Limit Orders at Non-Directed Orders	s % of	of Non-Directed Orders Orders										
N Total Non-Directed O Orders O 114	Inders as % of Al Inders	Total Market	of Non-Direct Orders Orders	ed Total Marker Limit Orders	table Orders as % of P Directed Orders	Ion- Total Non-Marketable Limit Orders	Limit Orders at Non-Directed Orders	s % of Total Other	of Non-Directed Orders Orders										
N Total Non-Directed O Orders O	Inders as % of Al Inders	Total Market	of Non-Direct Orders Orders	ed Total Marker Limit Orders	table Orders as % of P Directed Orders	Ion- Total Non-Marketable Limit Orders	Limit Orders at Non-Directed Orders	s % of Total Other	of Non-Directed Orders Orders										
N Total Non-Directed O Orders O 114	Inders as % of Al Inders	Total Market	of Non-Direct Orders Orders	ed Total Marker Limit Orders	table Orders as % of P Directed Orders	Ion- Total Non-Marketable Limit Orders	Limit Orders at Non-Directed Orders	s % of Total Other	of Non-Directed Orders Orders			Net Payment		Net Payment		Net Payment			
N Total Non-Directed O Orders O 114	Inders as % of Al Inders	Total Market	of Non-Direct Orders Orders	ed Total Marker Limit Orders	table Orders as % of P Directed Orders	Ion- Total Non-Marketable Limit Orders	Limit Orders at Non-Directed Orders	s % of Total Other	of Non-Directed Orders Orders		Net Payment	Paid/Received for		Paid/Received for		Paid/Received fo		Net Payment Paid/Roreixed	for
N Total Non-Directed O Orders O 114 Venues	Inders as % of Al Inders 100	Total Market .00 Non-Directed	of Non-Direct Orders Orders 76	ed Total Marke Limit Orders 66.67	table Orders as % of h Directed Orders 3 Marketable Lim	ion- Total Non-Marketable Limit Orders 2.63	Limit Orders at Non-Directed Orders 35	s % of Total Other 30.70	of Non-Directed Orders Orders 0 (0.00	Net Payment Paid/Received fi	Paid/Received for Market or Orders[cents per	Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Paid/Received fo Non-Marketable Limit Orders[cent	Net Payment s Paid/Received for	Paid/Received Other Orders(c	ents
Venue - Non- No	Inders as % of Al Inders 100	Total Market	of Non-Direct Orders 76	ed Total Marke Limit Orders 66.67	table Orders as % of h Directed Orders 3 Marketable Lim	ion- Total Non-Marketable Limit Orders 2.63	Limit Orders a Non-Directed Orders 35	s % of Total Other 30.70	of Non-Directed Orders Orders 0 (Paid/Received fi	Paid/Received for Market	Paid/Received for	Paid/Received for Marketable Limit	Paid/Received for	Paid/Received fo Non-Marketable Limit Orders[cent	Net Payment	Paid/Received Other Orders(c	ents
N Total Non-Directed O Orders O 114 Venues	Inders as % of Al Inders 100 Ion-Directed Inders	Total Market .00 Non-Directed	of Non-Direct Orders Orders 76	ed Total Marke Limit Orders 66.67	table Orders as % of h Directed Orders 3 Marketable Lim	ion- Total Non-Marketable Limit Orders 2.63	Limit Orders at Non-Directed Orders 35	s % of Total Other 30.70	of Non-Directed Orders Orders 0 (0.00 Other Orders(1	Paid/Received fi	Paid/Received for Market or Orders[cents per	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable Limit Orders[USD	Paid/Received fo Non-Marketable Limit Orders(cent) per hundred share	Net Payment s Paid/Received for is) Other Orders[USD	Paid/Received Other Orders(c	ents
Venue - Non- Citad Non-Directed O Orders O 114 Venues Venues Venue - Non- Citadel Securities LLC(CORG) Wolverine	Inders as % of Al Inders 100 Ion-Directed Inders	Total Market 00 Non-Directed Orders(%)	of Non-Direct Orders 76 Market Order	ed Total Marke Limit Orders 66.67 s Market Orde	table Orders as % of h 5 Directed Order 3 Marketable Lim ers(%) Orders	ion- Total Non-Marketable Limit Orders 2.63 ît Marketable Limit Orders(%)	Limit Orders at Non-Directed Orders 35 Non-Marketab Limit Orders	s % of Total Other 30.70 2le Non-Market Limit Order	of Non-Directed Orders Orders 0 (table s(%) Other Orders	0.00 Other Orders(1	Paid/Received fi K) Market Orders[L	Paid/Received for Market or Orders[cents per ISD] hundred shares]	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders[USD	Paid/Received fo Non-Marketable Limit Orders(cent) per hundred share	Net Payment s Paid/Received for is) Other Orders[USD	Paid/Received Other Orders(co) per hundred shi	ents ares)
Venue - Non- Cital Non-Directed O 114 Venues Venues Venue - Non- Citado Securities LL(CORG) Wolverine Execution Services	Inders as % of All Inders 100	Total Market 00 Non-Directed Orders(%) 75	of Non-Direct Orders 76 Market Order 34.56	ed Total Marke Limit Orders 66.67 s Market Orde	table Orders as % of M Directed Order 3 Marketable Lim ers(%) Orders 40.70	ion. Total Non-Murketable Limit Onders 2.63 R Marketable Limit Onders(%) 1	Umit Orders 3 Non-Directed Orders 35 Non-Marketab Limit Orders 14.29	s % of Total Other 30.70 de Non-Market Limit Order 39	of Non-Directed Orders Orders 0 i table s(%) Other Orders 31.45	0.00 Other Orders(1 0	Paid/Received fi Market Orders(U 0.00	Paid/Received for Market or Orders(cents per ISD) hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD	Paid/Received for Non-Marketable Limit Orders[cent per hundred share	Net Payment s Paid/Received for is) Other Orders(USD 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0
Venue - Non- Inv Griders 0 114 Venues Venue - Non- N directed Order Flow 0 Citadel Securities LLL(CDRG) Wolverine	Inders as % of All Inders 100	Total Market 00 Non-Directed Orders(%)	of Non-Direct Orders 76 Market Order	ed Total Marke Limit Orders 66.67 s Market Orde	table Orders as % of h 5 Directed Order 3 Marketable Lim ers(%) Orders	ion- Total Non-Marketable Limit Orders 2.63 ît Marketable Limit Orders(%)	Limit Orders at Non-Directed Orders 35 Non-Marketab Limit Orders	s % of Total Other 30.70 2le Non-Market Limit Order	of Non-Directed Orders Orders 0 (table s(%) Other Orders	0.00 Other Orders(1 0	Paid/Received fi K) Market Orders[L	Paid/Received for Market or Orders[cents per ISD] hundred shares]	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD	Paid/Received for Non-Marketable Limit Orders[cent per hundred share	Net Payment s Paid/Received for is) Other Orders(USD 0	Paid/Received Other Orders(co) per hundred shi	ents ares)
Venue - Non- Urders 0 01ders 0 114 Venues Venues Venues Venues Venue - Non- Mirected Order Flow Citaded Security Citaded Security Execution Services LLQ(CMRO) Wollverine Execution Services LLQ(WEXO) Dash Friancial	Inders as % of Al Inders 100 Ion-Directed Inders	Non-Directed Orders(%) 75	of Non-Directo Orders Orders 76 Market Order 34.56 24.88	ed Total Marke Limit Orders 66.67 s Market Orde 35	table Orders as % of 3 Directed Orden 3 directed Orden 40.70 1.16	on. Total Non-Marketable Limit Orders 2.83 N Marketable Limit Orders(%) 1 0	Limit Orden a Non-Orders Orders 35 Non-Marketab Limit Orders 14.29	s % of 30.70 Je Non-Market Limit Order 39 53	and Non-Directed Orders 0 0 0 0 0 table 15% Other Orders 31.45 42.74	Other Orders(5 0	Paid/Received fi Market Orders[L 0.00	Paid/Received for Market w Orders(cents per SD) hundred shares) 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0	Paid/Roceived for Non-Marketable Limit Orders(USD 0	Paid/Received for Non-Marketable Limit Orders(cent per hundred share 0	Net Payment Paid/Received for Source of the orders (USD 0 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0
Total Non-Directed 0 Orders 114 Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venue	Inders as % of Al Inders 100 Ion-Directed Inders	Total Market 00 Non-Directed Orders(%) 75	of Non-Direct Orders 76 Market Order 34.56	ed Total Marke Limit Orders 66.67 s Market Orde	table Orders as % of M Directed Order 3 Marketable Lim ers(%) Orders 40.70	ion. Total Non-Murketable Limit Onders 2.63 R Marketable Limit Onders(%) 1	Umit Orders 3 Non-Directed Orders 35 Non-Marketab Limit Orders 14.29	s % of Total Other 30.70 de Non-Market Limit Order 39	of Non-Directed Orders Orders 0 i table s(%) Other Orders 31.45	Other Orders(5 0	Paid/Received fi Market Orders(U 0.00	Paid/Received for Market w Orders(cents per SD) hundred shares) 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Roceived for Non-Marketable Limit Orders(USD 0	Paid/Received for Non-Marketable Limit Orders(cent per hundred share 0	Net Payment Paid/Received for Source of the orders (USD 0 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0
Total Non-Directed 0 Orders 0 114 Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues	Inders as % of Al Inders 100 Ion-Directed Inders	Non-Directed Orders(%) 75	of Non-Directo Orders Orders 76 Market Order 34.56 24.88	ed Total Marke Limit Orders 66.67 s Market Orde 35	table Orders as % of 3 Directed Orden 3 directed Orden 40.70 1.16	on. Total Non-Marketable Limit Orders 2.83 N Marketable Limit Orders(%) 1 0	Limit Orden a Non-Orders Orders 35 Non-Marketab Limit Orders 14.29	s % of 30.70 Je Non-Market Limit Order 39 53	and Non-Directed Orders 0 0 0 0 0 table 15% Other Orders 31.45 42.74	Other Orders(5 0	Paid/Received fi Market Orders[L 0.00	Paid/Received for Market w Orders(cents per SD) hundred shares) 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0	Paid/Roceived for Non-Marketable Limit Orders(USD 0	Paid/Received for Non-Marketable Limit Orders(cent per hundred share 0	Net Payment Paid/Received for Source of the orders (USD 0 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0
Total Non-Directed O Orders O 114 Venues Venues Venue Non-Charles Venues LLC(CDRG) Wolverine Execution Services LLC(CDRG) ULC(CDRG) ULC(CDRG) Securities LLC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) Securities LLC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) UL	Inders as % of Al Inders 100	Non-Directed Orders(%) 75	of Non-Directo Orders Orders 76 Market Order 34.56 24.88	ed Total Marke Limit Orders 66.67 s Market Orde 35	table Orders as % of 3 Directed Orden 3 directed Orden 40.70 1.16	on. Total Non-Marketable Limit Orders 2.83 N Marketable Limit Orders(%) 1 0	Limit Orden a Non-Orders Orders 35 Non-Marketab Limit Orders 14.29	s % of 30.70 Je Non-Market Limit Order 39 53	and Non-Directed Orders 0 0 0 0 0 table 15% Other Orders 31.45 42.74	0.00 Other Orders() 0 0	Paid/Received fi Market Orders[L 0.00	Paid/Received for Market 9 Orders(cents per SD) hundred shares) 0 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0	Paid/Received for Non-Marketable Limit Orders(USD 0	Paid/Roceived for Non-Marketable Limit Orders(cent) per hundred share	Net Payment Paid/Received for SOther Orders[USD 0 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0
Total Non-Directed 0 Orders 0 114 Venues Venues Venues Uccord Sector Pay 0 Gistation Services LLC(WDR0) Data Financial Technologis LLC(WDR0) Data Financial Technologis LLC(WDR0) Data Financial Group(SUSQ) Morgan Stanley &	Inders as % of Al Inders 100	Total Market Non-Directed Orders(%)	of Non-Directo Orders 76 Market Order 34.56 24.88 17.97	ed Total Marke Limit Orders 66.67 S Market Order 35 1 1	table order: a 5% of 1 3 a a b) order: a 5% of 1 a b) order: a b) order: a b) order: b) order: b	non- Sala Mus-Marakataka Linet Orders 6.5 Nadakataka Linet Orders(%) 1 1	Limit Orders a Non-Directed Orders 35 Non-Marketab Limit Orders 14.29 0.00	s % of 30.70 Je Non-Market Limit Order 39 53 24	a fiko-Directed Orders 0 0 the Order 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 Other Orders() 0 0	Paid/Received fr Market Orders(U 0.00 0.00	Paid/Received for Market 9 Orders(cents per SD) hundred shares) 0 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0	Paid/Received for Non-Marketable Limit Orders(USD 0	Paid/Roceived for Non-Marketable Limit Orders(cent) per hundred share	Net Payment Paid/Received for SOther Orders[USD 0 0	Paid/Received : Other Orders(c) per hundred sh	ents ares) 0
Total Non-Directed O Orders O 114 Venues Venues Venue Non-Charles Venues LLC(CDRG) Wolverine Execution Services LLC(CDRG) ULC(CDRG) ULC(CDRG) Securities LLC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) Securities LLC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) ULC(CDRG) UL	Indexs as % of All Indexs 100	Total Market Non-Directed Orders(%) 54 39 37	of Non-Directo Orders Market Order 34.56 24.88 17.97 17.05	ed Total Marke Limit Orders 66.67 S Market Order 35 1 14 30	table order: a % of f 3 3 40.70 40.70 16.28 34.88	nom Sala Sala R Munketable Linit Orders(%) 1 5	Non-Marketab Limit Orders Non-Marketab Limit Orders 14.29 0.00 14.29	s % of 30.70 Je Non-Market Limit Order 39 53 24	table (%) 31.45 1.61	Other Orders(1 0 0 0 0	Paid/Received fr Market Orders[U 0.00 0.00 0.00	Paid/Sccelved for Market Tr Orders(cents per SD) hundred shares) 0 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Raceived for Marketable Limit Orders/cents per hundred shares) 0 0	Paid/Received for Non-Marketable Limit Orders(USD 0	Paid/face/used for Non-Markstable Limit Ordens(cent) per hundred shan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Payment Paid/Raceived for Other Orders(USD 0 0 0	Paid/Received Other Orders(c) per hundred sh	ents ares) 0 0
Venue - Non- directed Output 114 Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venues Venu	Indexs as % of All Indexs 100	Total Market Non-Directed Orders(%)	of Non-Directo Orders 76 Market Order 34.56 24.88 17.97	ed Total Marke Limit Orders 66.67 S Market Order 35 1 1	table order: a 5% of 1 3 a a b) order: a 5% of 1 a b) order: a b) order: a b) order: b) order: b	non- Sala Mus-Marakataka Linet Orders 6.5 Nadakataka Linet Orders(%) 1 1	Limit Orders a Non-Directed Orders 35 Non-Marketab Limit Orders 14.29 0.00	s % of Total Other ale Non-Market Jan 53 24 2	a fiko-Directed Orders 0 0 the Order 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Other Orders(1 0 0 0 0	Paid/Received fr Market Orders(U 0.00 0.00	Paid/Received for Market 9 Orders(cents per SD) hundred shares) 0 0	Paid/Received for Marketable Limit Orders(USD) 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0	Paid/Received for Non-Marketable Limit Orders(USD 0	Paid/face/used for Non-Markstable Limit Ordens(cent) per hundred shan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Payment Paid/Raceived for Other Orders(USD 0 0 0	Paid/Received : Other Orders(c) per hundred sh	ents ares) 0 0

March 2023 S&P 500 Stocks Summary

	Non-Directed		Market Orders as %		Marketable Limit		Non-Marketable Limit Orders as % of		Other Orders as %
Total Non-Directed	al Non-Directed Orders as % of All		of Non-Directed	Total Marketable	Orders as % of Non-		Non-Directed		of Non-Directed
Orders	Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders
742	100.0	D 573	77.22	40	5.39		3 12.53	36	4.85
Venues									

directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Order	Marketable Limi	it Marketable Limit Orders(%)	Non-Mi Limit O	arketable Irders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders	Net Payment Paid/Received fo s(%) Market Orders(U	Net Payment Paid/Received for Market or Orders(cents per ISD) 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 s) Other Orders(USD)	Net Payment Paid/Received fo Other Orders[cer per hundred shar	nts
New York Stock Exchange(NYSE)			32.80	0						24					0					
Citadel Securities		370	32.80	0	0.00	0	0.00	370		.24	0	0.00	0	0	0	0	0	0	U	0
LLC(CDRG)		262	23.23	210	36.65	12	30.00	2		.38	19	52.78	0	0	0	0	0	0	0	0
VIRTU Americas.		101	13.13	110	30.03		30.00				19	32.70		0	0	0	0	0	0	0
LLC(NITE)		234	20.74	195	34.03	11	27.50	16		.34	12	33.33	0	0	0	0	0	0	n	0
G1 Execution																				
Services,																				
LLC(ETMM)		122	10.82	99	17.28	10	25.00	1	9 1	.88	4	11.11	0	0	0	0	0	0	0	0
Jane Street Capital,																				
LLC(INST)		57	5.05	49	8.55	7	17.50	1		21	0	0.00	0	0	0	0	0	0	0	0
Choe EDGX US																				
Equities Exchange(EDGX)		27	2.39	0	0.00		0.00	2		.64		0.00			0					
Exchange(EDGX)		27	2.39	0	0.00	0	0.00	2.	-	.04	0	0.00	0	0	0	0	0	0	U U	0
NASDAQ Execution Services, LLC(NSDQ) Two Sigma		22	1.95	0	0.00	0	0.00	22	2 4	59	0	0.00	0	0	0	0	0	0	D	0
Securities, LLC(SOHO) Members		15	1.33	13	2.27	0	0.00	:	. с	21	1	2.78	0	0	0	0	0	0	D	0
Exchange(MEMX) StoneX Financial		9	0.80	0	0.00	0	0.00	1		.88	0	0.00	0	0	0	0	0	0	D	0
INC.(INTL)		7	0.62	5	0.87	0	0.00	3	2 (42	0	0.00	0	0	0	0	0	0	D	0

March 2023 Non-S&P 500 Sto

							Non-Marketab				
	Non-Directed		Market Orders as %		Marketable Limit		Limit Orders a	s % of	Other Orders as %		
Total Non-Directed Orders as % of All			of Non-Directed	Total Marketable	Orders as % of Non-		Non-Directed		of Non-Directed		
Orders	Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders		
882	100.00	677	76.76	50	5.67		125	14.17 30	, 3	3.40	

Venue - Non- directed Order Flor	Non-Directed w Orders	Non-Directed Orders(%)	Market Orders	Market Orders	Marketable Limi %) Orders	t Marketable Limit Orders(%)	Non-Marketal Limit Orders	sle Non-Marketa Limit Orders(Other Orders	Net Payment Paid/Received for %) Market Orders(US	Net Payment Paid/Received for Market Orders(cents per iD) 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 share	Net Payment	Net Payment Paid/Received for Other Orders(cents per hundred shares)	
Citadel Securities																			
LLC(CDRG)	-	300 3	4.45	255 3	7.67	18	35.29	16	3.45	11	31.43	0	0	0	0	0	0	0 0	
VIRTU Americas,																			
LLC(NITE)		241 1	19.64	201 2	9.69	18	35.29	8	1.72	14	40.00	0	0	0	0	0	0	0 0	
G1 Execution																			
Services,																			
LLC(ETMM)	-	158 1	12.88	143 3	1.12	10	19.61	3	0.65	2	5.71	0	0	0	0	0	0	0 0	
New York Stock Exchange(NYSE)																			
		127 1	9.05	0	0.00	0	0.00		27.37 23.92	0		0	0	0	0	0	0	0 0	
NYSE Arca(ARCA)		111	9.05	0	0.00	0	0.00	111	23.92	0	0.00	0	0	0	0	0	0	0 0	
Choe EDGX US Equities																			
Equities Exchange(EDGX)		92	7.50		0.00	0	0.00	92	19.83	0	0.00	0						n n	
Jane Street Capital		92	7.50	0	0.00	8	0.00	92	19.83	0	0.00	0	0	0	0	0	0	0 0	
LLC(JNST)		69	5.62	62	9.16	4	7.84	3	0.65	0	0.00	0	0	0	0	0	0	o o	
NASDAQ Execution																			
Services, LLC(NSDC	บ	29	2.36	0	0.00	0	0.00	29	6.25	0	0.00	0	0	0	0	0	0	0 0	
Choe BZX U.S.																			
Equities																			
Exchange(BATS)		27	2.20	0	0.00	0	0.00	27	5.82	0	0.00	0	0	0	0	0	0	0 0	
Members																			
Exchange(MEMX)		24	1.96	0	0.00	0	0.00	24	5.17	0	0.00	0	0	0	0	0	0	0 0	

March 2023 Option Contracts Summary

	Non-Directed			Market Orders as %		Marketable	Limit		Non-Marketa Limit Orders		Other Orders as %		
Total Non-Directed	rected Orders as % of All		of Non-Directed	Total Marketable	Orders as %	of Non-		Non-Directed			of Non-Directed		
Orders	Orders		Total Market Orders		Limit Orders	Directed Or	ders	Total Non-Marketable Limit Orders	Orders	Total Oth	er Orders		
95	9	100.00	49	49.49		9	9.09		41	41.41	0		0.00

es		

venues																		
Venue - Non- Non-Directed directed Order Flow Orders	Non-Directed Orders(%)	d Market Orders	Market Order	Marketable Limi s(%) Orders	t Marketable Limit Orders(%)	Non-Marketabi Limit Orders	e Non-Market: Limit Orders		Other Orders(9	Net Payment Paid/Received for G) Market Orders[US	Net Payment Paid/Received for Market Orders(cents per D) 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		nts
Citadel Securities LLC(CDRG) Wolverine	52	37.14	23	48.94	8	72.73	21	25.61	0	0.00	0	•		0	0	• •	0	0
Execution Services	31	22.14	3	6.38	1	9.09	27	32.93	0	0.00	0	0		0	0	0	0	0
Technologies	26	18.57	1	2.13	1	9.09	24	29.27	0	0.00	0	•		•	0	• •	0	0
Capital Group(SUSQ)	20	14.29	17	36.17	1	9.09	2	2.44	0	0.00	0	0		0	0	•	0	0
Morgan Stanley & Company LLC(MSCO)	11	7.86	3	6.38	0	0.00	8	9.76	0	0.00	0	0	5	0	0	0 1	0	0