AVENTURA SECURITIES, LLC - Held NMS Stocks and Options Order Routing Public Report Generated on Thu Jan 11 2024 04:59:20 GMT-5 EST

4th Quarter, 2023

October 2023

S&P 500 Stocks

| Non-Directed | Market Orders as % of All Orders a

Venues

Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities	Non-Directed Orders(%)	Market Orders	Market Order	Marketable Limit rs(%) Orders	Marketable Limit Orders(%)		on-Marketable mit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(Net Payment Paid/Received for Market Orders(US	Paid/Received for Market Orders(cents per D) hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents per hundred shares)
	16	28.07	11	29.73	3	50.00	0)	1.00	2	100.00	0	0 0		0 0) (0		0
G1 Execution Services, LLC(ETMM) Jane Street Capital,	11	19.30	9	24.32	1	16.67	1	L :	1.33	0	0.00	0	0 ()	0 0) (0		D
LLC(JNST) VIRTU Americas,	9	15.79	9	24.32	0	0.00	0)	0.00	0	0.00	0	0 0)	0 () (0		0
LLC(NITE) Cboe EDGX US	7	12.28	5	13.51	2	33.33	0)	0.00	0	0.00	0	0 0		0 0) (0		0
Equities Exchange(EDGX) Members	6	10.53	0	0.00	0	0.00	6	5 5	1.00	0	0.00	0	0 0		0 0) (0		0
Exchange(MEMX)	2	3.51	0	0.00	0	0.00	2	2 1	i.67	0	0.00	0	0 0		0 () (0		0
NASDAQ Execution																			
Services, LLC(NSDQ) UBS Securities,	2	3.51	0	0.00	0	0.00	2		5.67	0	0.00	0	0 ()	0 (,	0		0
LLC(UBSS) New York Stock	2	3.51	2	5.41	0	0.00	0		1.00	0	0.00	0	0 (0 (0
Exchange(NYSE) Two Sigma	1	1.75	0	0.00	0	0.00	1	1	1.33	0	0.00	0	0 ()	0 () (0		D
Securities, LLC(SOHO)	1	1.75	1	2.70	0	0.00	0)	1.00	0	0.00	0	0 0)	0 () (0		0

October 2023

Non-S&P 500 Stocks Summary

| Non-Directe |

Venues

Venue - Non- Non-Directed directed Order Flow Orders VIRTU Americas, LLC(NITE)	Non-Directe Orders(%)	d Market Orders 42.11	Market Orde	Marketable Limit ers(%) 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 Paid/Received for s) Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred share	ts
G1 Execution																		
Services, LLC(ETMM)	4	21.05	4	23.53	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Citadel Securities																		
LLC(CDRG)	3	15.79	3	17.65	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Instinet																		
BlockCross(BLKX)	2	10.53	0	0.00	0	0.00	0	0.00	2	100.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	1	5.26	1	5.88	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1	5.26	1	5.88	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

October 2023

Option Contracts Summary

| Non-Directed | Market Orders as % of All | More Non-Directed | Market Orders as % of All | More Non-Directed | Market Orders as % of All | More Non-Directed | More

Venues

Venue - Non- Non-Directed directed Order Flow Orders	Non-Directe Orders(%)	i Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	· Non-Marketabl Limit Orders(%)	Other Orders	Other Orders(%)		Net Payment Paid/Received for Market Orders(cents per b) hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Limit Orders(cents			
Citadel Securities LLC(CDRG)	44	45.36	16 47.0	06	0	0.00	28 4	1.44	0 0	1.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX) Susquehanna	19	19.59	0 0.0		0	0.00	19 3	0.16	0 0	1.00	0	0	0	0	0	0		0
Capital Group(SUSQ)	18	18.56	17 50.0	10	0	0.00	1	1.59	0 0	1.00	0	0	0	0	0	0	0	0
Dash Financial Technologies											-				-			
LLC(DASH) Morgan Stanley &	14	14.43	1 2.9	94	0	0.00	13 2	0.63	0 0	1.00	0	0	0	0	0	0	0	0
Company LLC(MSCO)	2	2.06	0 0.0	00	0	0.00	2	3.17	0 0	1.00	0	0	0	0	0	0	0	0
November 2023																		
S&P 500 Stocks Summary																		
Non-Directed Total Non-Directed Orders as % of Orders Orders		Market Orders a of Non-Directed Orders Orders			n- Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % Non-Directed Orders		Other Orders as of Non-Directed	6									
96 1	00.00	61 6	3.54	13 13.5	54	22 22	2.92	0 0	1.00									
Venues																		
Venue - Non- Non-Directed directed Order Flow Orders	Non-Directe Orders(%)	i Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USI	Net Payment Paid/Received for Market Orders(cents per b) hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)				
directed Order Flow Orders Citadel Securities	Orders(%)	Market Orders		Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders		Paid/Received for Market Orders(USI	Paid/Received for Market Orders(cents per) 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(cents per hundred share	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred share	5)
directed Order Flow Orders			Market Orders(%) 22 36.0 13 21.3	Orders			Limit Orders(%)		0 0	Paid/Received for Market Orders(USE	Paid/Received for Market Orders(cents per b) 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(cents per hundred share	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cent: per hundred share:	
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) G1 Execution Services, LLC[FIMM)	Orders(%)	Market Orders 24.04	22 36.0	Orders	2	Limit Orders	Limit Orders(%) 1 2	Other Orders	0 0	Paid/Received for Market Orders(USI 0.00	Paid/Received for Market Orders(cents per o) 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(cents per hundred share 0	Net Payment Paid/Received for Other Orders(USD) 0	Paid/Received for Other Orders/cents per hundred share	0
directed Order Flow Orders Citadel Securities LLC(DNR) VIRTU Americas, LLC(NITE) G1 Execution Services, LLC(ETMM) Cboe EDGX US Equities	Orders(%) 25 24 16	Market Orders 24.04 23.08 15.38	22 36.0 13 21.3 14 22.6	Orders 37 31	2 9	Limit Orders 15.38 69.23 7.69	Limit Orders(%) 1 2	Other Orders 4.17 3.33	0 0	Paid/Received for Market Orders(USE 0.00	Paid/Received for Market Orders(cents per b) hundred shares) 0	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) 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred share 0	Net Payment Paid/Received for Other Orders(USD) 0	Paid/Received for Other Orders(cent: per hundred share:	0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INITE) G1 Execution Services, LLC(ETMM) Choe EDGX US	Orders(%) 25 24	Market Orders 24.04 23.08	22 36.0 13 21.3	Orders 37 31	9	Limit Orders 15.38 69.23	Limit Orders(%) 1 2	Other Orders	0 0	Paid/Received for Market Orders(USE 0.00	Paid/Received for Market Orders(cents per b) hundred shares) 0	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) 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred share 0	Net Payment Paid/Received for Other Orders(USD) 0	Paid/Received for Other Orders(cent: per hundred share: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) GI Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST) Instinet	Orders(%) 25 24 16	Market Orders 24.04 23.08 15.38	22 36.0 13 21.3 14 22.6	Orders 07 81 95	2 9	Limit Orders 15.38 69.23 7.69	Limit Orders(%) 1 2 1 12	Other Orders 4.17 3.33	0 0	Paid/Received for Market Orders(USI 0.00	Paid/Received for Market Orders(cents per) hundred shares) 0	Paid/Received for Marketable Limit Orders(USD) 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD) 0 0	Paid/Received for Non-Marketable Limit Orders(cent: per hundred share 0	Net Payment Paid/Received for Other Orders(USD) 0 0	Paid/Received for Other Orders(cent: per hundred share: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) G1 Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST)	Orders(%) 25 24 16	Market Orders 24.04 23.08 15.38	22 36.0 13 21.5 14 22.9 0 0.0	Orders 07 31 05 00 11	2 9 1	Limit Orders 15.38 69.23 7.69 0.00	Limit Orders(%) 1 2 1 12 5	Other Orders 1.17 3.33 1.17	0 0	Paid/Received for Market Orders(USI 0.00 0.00	Paid/Received for Market Orders(cents per) hundred shares) 0 0	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cent: per hundred share 0 0	Net Payment is Paid/Received for is Paid/Received for orders(USD)	Paid/Received for Other Orders(cent: per hundred share	0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) GI Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST) Instinet BlockCross(BLOX) NASDAQ Execution	Orders(%) 25 24 16 12	Market Orders 24.04 23.08 15.38 11.54 8.65	22 36.0 13 21.5 14 22.6 0 0.0 8 13.1	Orders 17 18 19 19 10 10 10 10 10 10 10 10	2 9 1 0	Limit Orders 15.38 69.23 7.69 0.00 7.69	Limit Orders(%) 1 2 1 12 5 0	Other Orders 1.17 3.33 1.17 0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cents per o) hundred shares)	Paid/Received for Marketable Limit Orders(USD) 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0	Paid/Received for Non-Marketalle Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(centre per hundred share)	Net Payment is Palid/Received for oss) Other Orders(USD) 0 0 0 0	Paid/Received for Other Orders() per hundred share: 0 0 0 0 0 0 0	0 0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) GI Execution Services, LLC(EMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST) Instinet BlockCross(BLICX) NASDAQ Execution Services, LLC(INSDQ) Two Sigma	Orders(%) 25 24 16 12 9 6	Market Orders 24.04 23.08 15.38 11.54 8.65 5.77	22 36.0 13 21.3 14 22.6 0 0.0 8 13.1 0 0.0	Orders 17 18 19 19 10 10 10 10 10 10 10 10	2 9 1 0 1	Limit Orders 15.38 69.23 7.69 0.00 7.69 0.00	Limit Orders(%) 1 2 1 12 5 0	Other Orders 1.1.17 3.3.33 1.1.17 0.0.00 0.0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cents per o) hundred shares)	Paid/Received for Marketable Limit Orders(USD) 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0	Paid/Received for Non-Marketalle Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(centre per hundred share)	Net Payment is Palid/Received for oss) Other Orders(USD) 0 0 0 0	Paid/Received for Other Orders() per hundred share: 0 0 0 0 0 0 0	0 0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) GI Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST) Instinct BlockCross(BLOX) MASDAQ Execution Services, LLC(NSDQ) Two Sigma Securities, LLC(SDHQ)	Orders(%) 25 24 16 12 9 6	Market Orders 24.04 23.08 15.38 11.54 8.65 5.77	22 36.0 13 21.3 14 22.6 0 0.0 8 13.1 0 0.0	Orders 977 931 955 956 956 957 957 957 957 957 957 957 957 957 957	2 9 1 0 1	Limit Orders 15.38 69.23 7.69 0.00 7.69 0.00	Limit Orders(%) 1 2 1 12 5 0 0	Other Orders 1.1.17 3.3.33 1.1.17 0.0.00 0.0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USL) .00 .00 .00 .00 .00 .00	Paid/Received for Market Orders(cents per) hundred shares) 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0	Paid/Received for Non-Marketable Limit Orders(centry per hundred share) 0 0 0 0 0	Net Payment s Paid/Received for est Paid/Received To 0 O O O O O O O O O O O O O O O O O O	Paid/Received for to Other Order(state) per hundred share 0 0 0 0 0 0 0 0	0 0 0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) GI Execution Services, LLC(EMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(INST) Instinet BlockCross(BLICX) NASDAQ Execution Services, LLC(NSDQ) Two Sigma Securities, LLC(SDHQ) Members Exchange(MEMX)	Orders(%) 25 24 16 12 9 6	Market Orders 24.04 23.08 15.38 11.54 8.85 5.77	22 36.0 13 21.3 14 22.3 0 0.0 8 13.1 0 0.0	Orders 577 575 575 575 575 575 575 575 575 57	2 9 1 0 1 0	Umit Ordes 15.38 69.23 7.69 0.00 7.69 0.00	Limit Orders(%) 1 2 1 12 5 0 0	Other Orders 1.17 1.17 1.00 1.00 1.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USL) .00 .00 .00 .00 .00 .00 .00 .00	Paid/Received for Market Orders(cents per) hundred shares) 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(centry of the Control of the Contro	Net Payment is Palid/Received for est Delid/Received for of the Corders (USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for to Other Orders(at) per hundred share 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) G1 Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jans Street Capital, LLC(NST) Instinet BlockCross(BLIX) NASDAQ Execution Services, LLC(NSDQ) Two Sigma Securities, LLC(SOHQ) Members	Orders(%) 25 24 16 12 9 6	Market Orders 24.04 23.08 15.38 11.54 8.85 5.77 2.88	22 36.0 13 21.3 14 22.5 0 0.0 8 13.1 0 0.0 0 0.0	Orders 577 573 51 51 55 55 55 55 55 55 55 55 55 55 55	2 9 1 0 1 0	Umit Ordes 15.38 69.23 7.69 0.00 7.69 0.00 0.00	Limit Orders(%) 1 2 1 12 5 0 0 2	Other Orders 1.17 1.17 1.00 1.00 1.00 1.00 1.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cents per) hundred shares) 0 0 0 0 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(centry of the Control of the Contro	Net Payment is Palid/Received for est palid/Received for of the Condens (USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for to Other Orders/Lecived for Other Othe	0 0 0 0 0 0
directed Order Flow Orders Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) G1 Execution Services, LLC(ETMM) Choe EDGX US Equities Exchange(EDGX) Jane Street Capital, LLC(NST) Instinet BlockCross(BLXX) MASDAQ Execution Services, LLC(NSDQ) Two Sigma Securities, LLC(SOHQ) Members Exchange(MEMX) UBS Securities,	Orders(%) 25 24 16 12 9 6 3 2	Market Orders 24.04 23.08 15.38 11.54 8.65 5.77 5.77 2.88 1.92	22 36.0 13 21.3 14 22.5 0 0.0 8 13.1 0 0.0 3 44.0 0 0.0	Orders 577 573 51 51 55 55 55 55 55 55 55 55 55 55 55	2 9 1 0 1 0	Umit Ordes 15.38 69.23 7.69 0.00 7.69 0.00 0.00 0.00 0.00	Limit Orders(%) 1 2 1 12 5 0 0 2	Other Orders 1.17 1.17 1.10 1.00 1.00 1.00 1.00 1.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USL) .00 .00 .00 .00 .00 .00 .00 .00 .00	Paid/Received for Market Orders(cents per) hundred shares) 0 0 0 0 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(centry of the Control of the Contro	Net Payment is Palid/Received for est palid/Received for of the Condens (USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for to Other Orders/Lecived for Other Othe	0 0 0 0 0 0

Summary													
									Non-Marketa	ble			
	Non-Directe	d		Market Orders as %		Marketable I	Limit		Limit Orders	as % of		Other Orders	as %
Total Non-Directed Orders as % of All				of Non-Directed	Total Marketable	Orders as %	of Non-		Non-Directed	i		of Non-Directe	ed
Orders	Orders		Total Market Orders	Orders	Limit Orders	Directed Ord	lers	Total Non-Marketable Limit Orders	Orders	T	otal Other Orders	Orders	
2:	2	100.00	13	59.09)	2	9.09		7	31.82	0		0.00

Venues

Venue - Non- Non-Directed directed Order Flow Citadel Securities	Non-Directed Orders(%)	d Market Orders	Market Orders	Marketable Limit (%) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketab Limit Orders(%		Other Orders(%	Net Payment Paid/Received for Market Orders(USI	Paid/Received for Market Orders(cents per D) hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable		Net Payment		
LLC(CDRG) Cboe EDGX US	7	26.92	5	38.46	2	100.00	0	0.00	0	0.00	0	0 (0 () () 0	3	D
Equities Exchange(EDGX)	5	19.23	0	0.00	0	0.00	5	71.43	0	0.00	0	0 (0 () () (0	0
Instinet BlockCross(BLKX)	4	15.38	0	0.00	0	0.00	0	0.00	4 10	0.00	0	0 (0 () () (0 /	0
G1 Execution Services, LLC(ETMM) VIRTU Americas.	4	15.38	4	30.77	0	0.00	0	0.00	0	0.00	0	0 (0 () () (0 (0
LLC(NITE)	3	11.54	3	23.08	0	0.00	0	0.00	0	0.00	0	0 ()	0 () () (٥ (٥

Members																			
Exchange(MEMX) Jane Street Capital		2	7.69	0 0	1.00	0	0.00	2 2	1.57	0 0	.00	0	0	0	0	0	0	0	0
LLC(JNST)		1	3.85	1	7.69	0	0.00	0	1.00	0 0	.00	0	0	0	0	0	0	0	0
November 2023																			
Option Contracts																			
Summary							Non-Marketal	ble											
Total Non-Directed	Non-Directed d Orders as % of All Orders	I Total Market O	Market Orders as of Non-Directed orders Orders	% Total Marketable Limit Orders	Marketable Limit Orders as % of No	1- Total Non-Marketable Limit Orders	Limit Orders a Non-Directed Orders	s % of	Other Orders as % of Non-Directed rs Orders										
	82 100	.00	27 32.	93	1 1.	22	53	64.63	1 1.	22									
Venues																			
												Net Payment Paid/Received for		Net Payment Paid/Received for		Net Payment Paid/Received for		Net Payment	
Venue - Non-	Non-Directed	Non-Directed			Marketable Limit		Non-Marketal	ble Non-Marketable			Net Payment Paid/Received for	Market Orders(cents per	Paid/Received for Marketable Limit	Marketable Limit Orders(cents per	Non-Marketable	Non-Marketable Limit Orders(cents	Paid/Received for	Paid/Received for Other Orders(cents	
directed Order Flo Citadel Securities		Orders(%)	Market Orders	Market Orders(%		Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Market Orders(USE) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)			per hundred shares	.)
LLC(CDRG) Dash Financial		48	58.54	14 5:	85	1	50.00	33 6	3.46	0 0	.00	D	0	0	0	0	0	0	0
Technologies LLC(DASH)		13	15.85	4 14	l.81	1	50.00	8 1	i.38	0 0	.00	0	0	0	0	0	0	0	0
Susquehanna Capital																			
Group(SUSQ)		11	13.41	8 29	1.63	0	0.00	2	1.85	1 100	.00	D	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)			8.54	0 (1.00	0	0.00	7 1	1.46	0 0	.00			0	0		0	0	0
Morgan Stanley &		,	8.54	0 (1.00	U	0.00	/ 1	1.46	0 (.00	U	U	U	U	U	U	U	U
Company LLC(MSCO)		3	3.66	1 3	1.70	0	0.00	2	1.85	0 0	.00	0	0	0	0	0	0	0	0
December 2023																			
S&P 500 Stocks																			
Summary							Non-Marketal	ble											
Total Non-Directed	Non-Directed d Orders as % of All		Market Orders as of Non-Directed	% Total Marketable	Marketable Limit Orders as % of No	1-	Limit Orders a Non-Directed	s % of	Other Orders as % of Non-Directed										
Orders	Orders 24 100	Total Market O	rders Orders 19 79.	Limit Orders 17	Directed Orders 3 12.	Total Non-Marketable Limit Orders 50	Orders 2	Total Other Ord 8.33	rs Orders	00									
Orders :	24 100.	Total Market O	rders Orders 19 79.	Limit Orders 17	Directed Orders 3 12.	Total Non-Marketable Limit Orders 50	Orders 2	Total Other Ord	rs Orders	00									
:	Orders 24 100.	Total Market O	rders Orders 19 79.	Limit Orders	Directed Orders 3 12.	Total Non-Marketable Limit Orders 50	Orders 2	Total Other Ord	rs Orders	00		Net Payment		Net Payment		Net Payment			
Venues	24 100	.00	rders Orders 19 79.	Limit Orders	3 12.	Total Non-Marketable Limit Orders	2	Total Other Ord 8.33	rs Orders	00	Net Payment	Paid/Received for Market		Paid/Received for Marketable Limit	Paid/Received for	Paid/Received for Non-Marketable		Net Payment Paid/Received for	
Venues Venue - Non- directed Order Flo	24 100. Non-Directed	Total Market O .00 Non-Directed Orders(%)	rders Orders 19 79. Market Orders	Limit Orders 17 Market Orders(%)	3 12. Marketable Limit	Total Non-Marketable Limit Orders Marketable Limit Orders(%)	Orders 2 Non-Marketal Limit Orders	Total Other Ord 8.33	rs Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USC	Paid/Received for Market Orders(cents per		Paid/Received for Marketable Limit		Paid/Received for Non-Marketable Limit Orders(cents		Paid/Received for Other Orders(cents	
Venues Venue - Non-	24 100. Non-Directed	Non-Directed Orders(%)	19 79.	17 Market Orders{%	3 12. Marketable Limit	50	2 Non-Marketal	Total Other Ord 8.33 Non-Marketable Limit Orders(%)	rs Orders 0 0.	Other Orders(%)	Paid/Received for	Paid/Received for Market Orders(cents per) hundred shares)	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 for Non-Marketable Limit Orders(cents per hundred share	Paid/Received for	Paid/Received for Other Orders(cents per hundred shares	
Venues Venue - Non- directed Order Flo Citadel Securities	Non-Directed w Orders	Non-Directed Orders(%)	19 79. Market Orders	Market Orders(%	3 12. Marketable Limit Orders	50 Marketable Limit Orders(%)	2 Non-Marketal Limit Orders	Total Other Ord 8.33 Non-Marketable Limit Orders(%)	rs Orders 0 0.	Other Orders(%)	Paid/Received for Market Orders(USD	Paid/Received for Market Orders(cents per)) 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(cents per hundred share	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution	Non-Directed W Orders	Non-Directed Orders(%)	19 79. Market Orders 28.00	Market Orders(% 7 36 5 26	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketal Limit Orders	Total Other Ord 8.33 Non-Marketable Limit Orders(%) 0	o Orders O Other Orders	Other Orders(%) 0 0	Paid/Received for Market Orders(USE .00	Paid/Received for Market Orders(cents per) 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(cents per hundred share	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares 0	i)
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capital LLC(INST) VIRTU Americas, LLC(INTE)	Non-Directed W Orders	Non-Directed Orders(%)	19 79. Market Orders 28.00	Market Orders(% 7 36 5 26 3 16	Marketable Limit Orders	Marketable Limit Orders(%) 0	Non-Marketal Limit Orders 0.00	Total Other Ord 8.33 Non-Marketable Limit Orders(%) 0 0 0	orders 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders(%) 0	Paid/Received for Market Orders(USE .00	Paid/Received for Market Orders(cents per t) 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(cents per hundred share 0	Paid/Received for s) Other Orders(USD) 0	Paid/Received for Other Orders(cents per hundred shares	0
Venue - Non- directed Order Flo Citadel Securities LLC(CRG) G1 Execution Services, LLC(ETMI Jane Street Capital LLC(INST) VIRTU Americas, LLC(NTE) Instinet BlockCros(BLUX)	Non-Directed W Orders W)	Non-Directed Orders(%)	19 79. Market Orders 28.00 24.00	Market Orders(% 7 36 5 26 3 11 4 2:	Marketable Limit Orders 84	Marketable Limit Orders(%) 0 1	Non-Marketal Limit Orders 0.00 50.00	Total Other Ord 8.33 Non-Marketable Limit Orders(%) 0 0 0	Orders Other Orders Other Orders	Other Orders(%) 0	Paid/Received for Market Orders(USE .00	Paid/Received for Market Orders(cents per) 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(cents per hundred share	Paid/Received for s) Other Orders(USD) 0	Paid/Received for Other Orders(cents per hundred shares	0
Venue - Non- directed Order Flor Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NTS) VIRTU Americas, LLC(NTS) Instinet BlockCross(BLKX) Cboe EDGX US Equities	Non-Directed W Orders W)	Non-Directed Orders(%) 7 6 4	Market Orders 28.00 24.00 16.00 8.00	Market Orders(% 7 36 3 11 4 2: 0 0 0	Marketable Limit Orders	Marketable Limit Orders(%) 0 1 1 0	Non-Marketal Umit Orders 0.00 50.00 50.00 0.00	Total Other Ord 8.33 Non-Marketable Umit Orders(%) 0 0 0 0	Other Orders Other Orders Other Orders	Other Orders(%) 0 0 0 0 0 0 2 100	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order Flo Citadel Securities LLC(DNR) G1 Execution Services, LLC(ETMI Jane Street (LICT) LLC(INST) VIRTU Americas, LLC(INTE) Instinct BlockCross(BLX) Choe E DOCK US	Non-Directed W Orders W)	Non-Directed Orders(%) 7 6 4	19 79. Market Orders 28.00 24.00 16.00	Market Orders(% 7 36 3 11 4 2: 0 0 0	3 12. Marketable Limit) Orders 1.84 1.32 7.79	Marketable Limit Orders(%) 0 1 1 0	Non-Marketal Limit Orders 0.00 50.00 0.00	Total Other Ord 8.33 Non-Marketable Umit Orders(%) 0 0 0 0	Other Orders Other Orders 0.00 0.00	Other Orders(%) 0 0 0 0 0 0 2 100	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0
Venue - Non- directed Order Flor Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NTS) VIRTU Americas, LLC(NTS) Instinet BlockCross(BLKX) Cboe EDGX US Equities	Non-Directed W Orders W)	Non-Directed Orders(%) 7 6 4	Market Orders 28.00 24.00 16.00 8.00	Market Orders(% 7 36 3 11 4 2: 0 0 0	Marketable Limit Orders	Marketable Limit Orders(%) 0 1 1 0	Non-Marketal Umit Orders 0.00 50.00 50.00 0.00	Total Other Ord 8.33 Non-Marketable Umit Orders(%) 0 0 0 0	Other Orders Other Orders Other Orders	Other Orders(%) 0 0 0 0 0 0 2 100	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(INST) VIRTU Americas, LLC(NITE) Instinet BlockCross(BLIXX) Choe EDGX US Equities Exchange(EDGX) December 2023	Non-Directed w Orders W)	Non-Directed Orders(%) 7 6 4	Market Orders 28.00 24.00 16.00 8.00	Market Orders(% 7 36 3 11 4 2: 0 0 0	Marketable Limit Orders	Marketable Limit Orders(%) 0 1 1 0	Non-Marketal Umit Orders 0.00 50.00 50.00 0.00	Total Other Ord 8.33 Non-Marketable Umit Orders(%) 0 0 0 0	Other Orders Other Orders Other Orders	Other Orders(%) 0 0 0 0 0 0 2 100	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Janseret Capital LLC(INST) VIRTU Americas, LLC(MTE) Instinct BlockCross(BLXX) Equities Exchange(EDGX)	Non-Directed w Orders W)	Non-Directed Orders(%) 7 6 4	Market Orders 28.00 24.00 16.00 8.00	Market Orders(% 7 36 3 11 4 2: 0 0 0	Marketable Limit Orders	Marketable Limit Orders(%) 0 1 1 0	Non-Marketal Limit Orders 0.00 50.00 0.00 0.00	Total Other Ord 8.33 ble Non-Marketabli Limit Orders(%) 0 0 0 2 10	Other Orders Other Orders Other Orders	Other Orders(%) 0 0 0 0 0 0 2 100	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(MST) VIRTU Americas, LLC(MST) Instinet BlockCross(BLKX) Cboe EDGX US Equities Exchange(EDGX) December 2023	Non-Directed w Orders W)	Non-Directed Orders(%) 7 6 4 2	Market Orders 28.00 24.00 16.00 8.00 Market Orders as	Market Orders(%) 7 36 5 22 3 11 4 2: 0 0	Marketable Limit Orders	Marketable Limit Orders(%) 0 1 1 0 0	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 Non-Marketal Umit Orders	Total Other Ord 8.33 ble Non-Marketabli Limit Orders(%) 0 0 0 2 10 2 10 ble s % of	Other Orders 0.00 Other Orders 0.00 Other Orders	Other Orders(%) 0	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order is Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(INST) VIRTU Americas, LLC(NITE) Instinet BlockCross(BLIXX) Choe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders	Non-Directed w Orders W) , Non-Directed d d d d d d d d d d d d d d d d d d	Non-Directed Orders(%) 7 6 4 2 2	Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Non-Directed orders orders	Market Orders(% 7 36 5 22 3 11 4 2: 0 6 0 6 **Total Marketable Limit Orders	Marketable Limit Orders	Marketable Limit Orders(%) Marketable Limit Orders(%) Total Non-Marketable Limit Orders	Non-Marketal Limit Orders 0.00 50.00 0.00 0.00	Total Other Ord 8.33 ble Non-Marketabli Limit Orders(%) 0 0 0 0 2 10 ble s % of	Other Orders Other Orders Other Orders Other Orders Other Orders Other Orders as %	Other Orders(%) 0	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	000000000000000000000000000000000000000
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NST) VIRTU Americas, LLC(NTE) Instinet BlockCross(BLCX) Cboe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders	Non-Directed w Orders W) , Non-Directed d d d d d d d d d d d d d d d d d d	Non-Directed Orders(%) 7 6 4 2 2	Market Orders 28.00 Market Orders 28.00 24.00 16.00 8.00 Market Orders as 30.00 Market Orders as 50.00 Market Orders of 50.00 Market Orders of 50.00	Market Orders(% 7 36 5 22 3 11 4 2: 0 6 0 6 **Total Marketable Limit Orders	Marketable Limit Orders	Marketable Limit Orders(%) Marketable Limit Orders(%) Total Non-Marketable Limit Orders	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 0.00 Non-Marketal Umit Orders and Non-Directed Orders	Total Other Ord 8.33 ble Non-Marketable Limit Orders(%) 0 0 0 0 2 10 2 10 Total Other Ord	Other Orders Other Orders Other Orders Other Orders Other Orders as % of Non-Directed so Orders	Other Orders(%) 0	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	000000000000000000000000000000000000000
Venue - Non- directed Order is Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(INST) VIRTU Americas, LLC(NITE) Instinet BlockCross(BLIXX) Choe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders	Non-Directed w Orders W) , Non-Directed d d d d d d d d d d d d d d d d d d	Non-Directed Orders(%) 7 6 4 2 2	Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Non-Directed orders orders	Market Orders(% 7 36 5 22 3 11 4 2: 0 6 0 6 **Total Marketable Limit Orders	Marketable Limit Orders	Marketable Limit Orders(%) Marketable Limit Orders(%) Total Non-Marketable Limit Orders	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 0.00 Non-Marketal Umit Orders and Non-Directed Orders	Total Other Ord 8.33 ble Non-Marketable Limit Orders(%) 0 0 0 0 2 10 2 10 Total Other Ord	Other Orders Other Orders Other Orders Other Orders Other Orders as % of Non-Directed so Orders	Other Orders(%) 0	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) 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) 0 0 0	Paid/Received for Non-Marketabel Limit Orders(cents per hundred share	Paid/Received for s) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares	000000000000000000000000000000000000000
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NST) VIRTU Americas, LLC(NTE) Instinet BlockCross(BLCX) Cboe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders	Non-Directed w Orders W) , Non-Directed d d d d d d d d d d d d d d d d d d	Non-Directed Orders(%) 7 6 4 2 2	Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Non-Directed orders orders	Market Orders(% 7 36 5 22 3 11 4 2: 0 6 0 6 **Total Marketable Limit Orders	Marketable Limit Orders	Marketable Limit Orders(%) Marketable Limit Orders(%) Total Non-Marketable Limit Orders	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 0.00 Non-Marketal Umit Orders and Non-Directed Orders	Total Other Ord 8.33 ble Non-Marketable Limit Orders(%) 0 0 0 0 2 10 2 10 Total Other Ord	Other Orders Other Orders Other Orders Other Orders Other Orders as % of Non-Directed so Orders	Other Orders(%) 0	Paid/Received for Market Orders(USD .000 .000	Paid/Received for Market Orders(cents per) hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0	Paid/Received for Non-Marketube Limit Orders(cents per hundred share 0	Pald/Received for s) Other Orders(USD) 0 0 0 0	Paid/Received for Other Orders(cents per hundred shares	0 0 0 0
Venue - Non- directed Order Flo Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NST) VIRTU Americas, LLC(NTE) Instinet BlockCross(BLCX) Cboe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders	Non-Directed W Orders Non-Directed Orders as % of All Orders 100.	Non-Directed Orders(%) 7 6 4 2 2	Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Non-Directed orders orders	Market Orders(% 7 36 5 22 3 11 4 2: 0 6 0 6 **Total Marketable Limit Orders	Marketable Limit Orders	Marketable Limit Orders(%) Marketable Limit Orders(%) Total Non-Marketable Limit Orders	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 0.00 Non-Marketal Umit Orders and Non-Directed Orders	Total Other Ord 8.33 Non-Marketable Limit Orders(%) 0 0 0 2 10 Total Other Ord 35.29	Other Orders Other Orders Other Orders Other Orders Other Orders as % of Non-Directed so Orders	Other Orders(%) 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00	Paid/Received for Market Orders(cents per) hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 Net Payment	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 Net Payment	Paid/Received for Non-Marketabe Limit Orders(cents per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pald/Received for s) Other Orders(USD) 0 0 0 0 0	Paid/Received for Other Orders/cents per hundred shares 0 0 0 0 1 Net Payment Paid/Received for Other Orders/cents	000000000000000000000000000000000000000
Venue - Non- directed Order in Citadel Securities LLC(DRG) G1 Execution Services, LLC(ETMI Jane Street Capital LLC(INST) VIRTU Americas, LLC(INST) VIRTU Americas, LLC(INST) UCINSTO December 2023 Non-S&P 500 Stoc Summary Total Non-Directed Orders Venues Venue - Non- directed Order Flo Citadel Securities LLC(DRG)	Non-Directed W Orders Non-Directed Orders as % of All Orders 100.	Non-Directed Orders(%) 7 6 4 4 2 2 Non-Directed Orders(%) Non-Directed Orders(%)	19 79. Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Onders 10 S8.00 S8.00 Market Orders as 5 Orders 10 S8.00	Market Orders(% 7 36 5 22 3 11 4 2: 0 0 0 Total Marketable Limit Orders 82	Marketable Limit Orders	Marketable Limit Orders(%) 1 1 0 0 Total Non-Marketable Limit Orders	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 Non-Marketal Umit Orders a Non-Directed Orders 6	Total Other Ord 8.33 ble Non-Marketabli Umit Order(%) 0 0 0 2 10 ble s % of Total Other Ord 35.29 Non-Marketabli Limit Order(%)	Other Orders Other Orders Other Orders Other Orders as % of Non-Directed of Orders Other Orders as % of Non-Directed of Orders	Other Orders(%) 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cents per) hundred shares) Net Payment Paid/Received for Market Orders(cents per)	Paid/Received for Marketable Limit Orders(USD) Net Payment Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) Net Payment Net Payment Paid/Received for Marketable Limit Orders(cents per hundred)	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 1 Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketabe Limit Orders(cents per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pald/Received for s) Other Orders(USD) Net Payment Pald/Received for s) Other Orders(USD)	Paid/Received for Other Orders/Cents per hundred shares Net Payment Paid/Received for Other Orders/Cents per hundred shares	000000000000000000000000000000000000000
Venue - Non- directed order file Citadel Securities LLC(CDRG) G1 Execution Services, LLC(ETMI Jane Street Capita LLC(NST) VIRTU Americas, LLC(NTS) Instinet BlockCross(BLKX) Cboe EDGX US Equities Exchange(EDGX) December 2023 Non-S&P 500 Stoc Summary Venues Venues Venues Venue - Non- directed Order File Citadel Securities	Non-Directed w Orders Non-Directed d Orders as % of All Orders Non-Directed d Orders as % of All	Non-Directed Orders(%) 7 6 4 2 2 Non-Directed Orders(%) Non-Directed Orders(%)	19 79. Market Orders 28.00 24.00 16.00 8.00 Market Orders as of Non-Directed orders 10 S8. Market Orders	Market Orders(% 7 36 5 22 3 11 4 2: 0 0 Total Marketable Limit Orders 82 Market Orders(% 4 46	Marketable Limit Orders	Marketable Limit Orders(%) 1 1 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(%)	Non-Marketal Umit Orders 0.00 50.00 0.00 0.00 Non-Marketal Umit Orders a Non-Directed Orders 6	Total Other Ord 8.33 ble Non-Marketabli Umit Orders(%) 0 0 0 0 2 10 2 10 ble s % of Total Other Ord 35.29 Non-Marketabli Umit Orders(%) 0	Other Orders as % of Orders	Other Orders(%) 0	Paid/Received for Market Orders(USE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cents per) hundred shares) Net Payment Paid/Received for Market Orders(cents per) hundred shares)	Paid/Received for Marketable Limit Orders(USD) Net Payment Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 1 Net Payment Paid/Received for Non-Marketable Limit Orders(USD) 0	Paid/Received for Non-Marketabe Limit Orders(cents per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pald/Received for s) Other Orders(USD) Net Payment Pald/Received for s) Other Orders(USD) Other Orders(USD)	Paid/Received for Other Orders/cents per hundred shares of the Control of the Con	

Cboe EDGX US Equities Exchange(EDGX)	3	14.29	0	0.00	0	0.00	3	42.86	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	3	14.29	3	30.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	2	9.52	1	10.00	1	100.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	2	9.52	0	0.00	0	0.00	2	28.57	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution																		
Services, LLC(NSDQ) VIRTU Americas,	2	9.52	0	0.00	0	0.00	2	28.57	0	0.00	0	0	0	0	0	0	0	0
LLC(NITE) Two Sigma	1	4.76	1	10.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Securities,	1	4.76	1	10.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

December 2023

Option Contracts

Summary

| Non-Directed | Market Dries | Mark

Venues

Venue - Non- directed Order Flov	Non-Directed w Orders	Non-Directed Orders(%)	d Market Ord	ers Market O		Marketable Limit Orders	Marketable Limit Orders(%)		on-Marketable mit Orders	Non-Marketa Limit Orders(Other Orders	Other Orders(%	Net Payment Paid/Received () Market Orders	Pai Ma for Ore	t Payment id/Received for arket ders(cents per ndred 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	Net Payment Paid/Received for Other Orders(cen per hundred shar	nts
Citadel Securities LLC(CDRG)		24	40.68	8	47.06		1	100.00		15	36.59		0	0.00	0)	0	0	0	0	0
Dash Financial Technologies LLC(DASH)		15	25.42	3	17.65		0	0.00	:	12	29.27		0	0.00	0))	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)		13	22.03	0	0.00		0	0.00	:	13	31.71		0	0.00	0))	0	0	0	0	0
Susquehanna Capital Group(SUSQ)		5	8.47	5	29.41		0	0.00		0	0.00		0	0.00	0))	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)		2	3.39	1	5.88		0	0.00		1	2.44		0	0.00	0))	0	0	0	0	0