G.A. REPPLE & COMPANY - Held NMS Stocks and Options Order Routing Public Report Generated on Tue Oct 10 2023 09:18:14 GMT-4 EDT

3rd Quarter, 2023

July 2023

S&P 500 Stocks Summary

Total Non-Direct Orders	ed Non-Directi				Total Marketable Limit Orders	Marketable Lim Orders as % of N Directed Orders	Non-	Non-Marketable Limit Orders	Non-Marketable Limit Orders as Non-Directed O		Other Orders as	
	251	100.00	250	99.60		0	0.00		1	0.40	0	0.00

Venues

Venue - Non- directed Order Flow Non-Directed Or Citadel Securities	Non-Directed ders Orders(%)	Market Orders	Market Orders	Marketable Limit s(%) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketabl Limit Orders(%)		Other Orders(9	Net Payment Paid/Received for Market Orders(US	Net Payment Paid/Received for Market Orders(cei D) per hundred share	nts 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 shares	Net Payment Paid/Received for) Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares	s
LLC(CDRG)	103	39.16	103	41.20	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas,																		
LLC(NITE)	64	24.33	64	25.60	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
G1 Execution																		
Services, LLC(ETMM)	38	14.45	38	15.20	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital,	37	14.07	37	14.80		0.00		0.00	_	0.00						_		_
LLC(JNST) New York Stock	37	14.07	3/	14.80	U	0.00	U	0.00	U	0.00	U	U	U	U	U	U	U	U
Exchange(NYSE)	11	4.18	0	0.00	0	0.00	11	91.67	0	0.00	0	0	0	0	0	0	0	0
Two Sigma			-		-				-		-	•	-	-	-	-	-	-
Securities,																		
LLC(SOHO)	5	1.90	5	2.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities,																		
LLC(UBSS)	3	1.14	3	1.20	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Instinet																		
BlockCross(BLKX)	1	0.38	0	0.00	0	0.00	0	0.00	1 :	100.00	0	0	0	0	0	0	0	0
Choe EDGX US Equities																		
Exchange(EDGX)	1	0.38	0	0.00	0	0.00		8.33	0	0.00	0	0	0	0	0	0	0	0

July 2023

Non-S&P 500 Stocks Summary

				Market Orders as %		Marketable Limit			Non-Marketable			
Total No	on-Directed	Non-Directed Orders		of Non-Directed	Total Marketable	Orders as % of No	n-		Limit Orders as % of	of	Other Orders a	% of % د
Orders		as % of All Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders		Non-Directed Orde	ers Total Other Orders	Non-Directed C	rders
	589	100.00	560	95.08	16	5 2	.72	11	1.	87	2	0.34

Venues

Venue - Non- directed Order Flow Non-Directe	Non-Directe	d Market Order	s Market Ord	Marketable Limi ers(%) Orders	t Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketa Limit Orders(Other Orders	Net Payment Paid/Received fo Market Orders(U		ents 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(cent	Net Payment	Net Payment Paid/Received for Other Orders(cent per hundred share	its
Citadel Securities LLC(CDRG)	240	40.27	233	41.61	5	31.25	0	0.00	2	100.00	0	0	0	0	0	0	0	0
VIRTU Americas,																		
LLC(NITE)	159	26.68	154	27.50	5	31.25	0	0.00	0	0.00	0	0	0	0	0	0	0	0
G1 Execution																		
Services, LLC(ETMM)	86	14.43	82	14.64	4	25.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	80	13.42	78	13.93	2	12.50	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Choe EDGX US	80	13.42	76	13.93	<u> </u>	12.30	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Equities																		
Exchange(EDGX) New York Stock	8	1.34	0	0.00	0	0.00	8	44.44	0	0.00	0	0	0	0	0	0	0	0
Exchange(NYSE)	7	1.17	0	0.00	0	0.00	7	38.89	0	0.00	0	0	0	0	0	0	0	0
Two Sigma																		
Securities, LLC(SOHO)	7	1.17	7	1.25	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities,	,	1.17	,	1.23	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	
LLC(UBSS)	6	1.01	6	1.07	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	3	0.50	0	0.00	0	0.00	3	16.67	0	0.00	0	0	0	0	0	0	0	0

July 2023

Option Contracts Summary

			Market Orders as	s %	Marketable Limit		Non-M	arketable		
Total Non-Directed	Non-Directed Orders		of Non-Directed	Total Marketable	Orders as % of No	in-	Limit C	rders as % of	Other Orders as % o	ρf
Orders	as % of All Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Non-Di	rected Orders Total Other Orders	Non-Directed Order	's
	0 000		0	0.00	0 (100	0	0.00	0 00	'n

Venues

Net Payment Net Payment Net Payment Paid/Received for Net Payment Paym

	Non-Directed Order	Non-Directed or Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USI	Net Payment Paid/Received for Market Orders(cen D) per hundred share	ts Marketable Limit	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 Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares
ugust 2023																		
&P 500 Stocks ummary																		
otal Non-Directed N Orders a	Non-Directed Order as % of All Orders 100.0	Total Market O			Marketable Limit Orders as % of Nor Directed Orders 1 0.	Total Non-Marketable Limit Orders		of ers Total Other Orde 11										
Venues												Net Payment	N-4 5	Net Payment Paid/Received for	N-1 P1	Net Payment Paid/Received for		Net Payment
/enue - Non- directed Order Flow N	Non-Directed Order	Non-Directed s Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USI	Paid/Received for	Net Payment Paid/Received for its Marketable Limit s) Orders(USD)	Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Non-Marketable Limit Orders(cents	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents
LC(CDRG)	7	2	38.92	72 40.	68	0	0.00	0	0.00	0 0	0.00	0	0	0	0	0	0	0
ane Street Capital, LC(JNST)	4	0	21.62	39 22.	03	1	100.00	0	0.00	0 0	0.00	0	0	0	0	0	0	0
IRTU Americas, LC(NITE)	3	8	20.54	37 20.	90	0	0.00	1 1	4.29	0 0	0.00	0	0	0	0	0	0	0
i1 Execution																		
ervices, LLC(ETMM)	2	5	13.51	25 14.	12	0	0.00	0	0.00	0 (0.00	0	0	0	0	0	0	0
ASDAQ Execution ervices, LLC(NSDQ)			3.24	0 0.		0	0.00				0.00							0
wo Sigma		6	3.24	0 0.	00	U	0.00	6 8	5.71	0 0	5.00	0	0	0	0	0	0	0
Securities, LC(SOHO)		4	2.16	4 2.	26	0	0.00	0	0.00	0 0	0.00	0	0	0	0	0	0	0
ugust 2023																		
Total Non-Directed N Orders a	Non-Directed Order as % of All Orders 100.0	Total Market O	Market Orders as of Non-Directed orders Orders 637 92	Total Marketable Limit Orders	Marketable Limit Orders as % of Nor Directed Orders 37 5.	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % o Non-Directed Orde 8 1.	of ers Total Other Orde 17										
/enue - Non-	Non-Directed Order	Non-Directed	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		ts Marketable Limit	Net Payment Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares		Net Payment Paid/Received for Other Orders(cents per hundred shares)
enue - Non- lirected Order Flow N litadel Securities	Non-Directed Order	s Orders(%)	Market Orders	Market Orders(%)	Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(USI	Paid/Received for Market Orders(cen D) per hundred share	Paid/Received for its Marketable Limit s) 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 shares	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares)
enue - Non- irected Order Flow N tadel Securities .C(CDRG) IRTU Americas,	25	s Orders(%)	36.92	235 36.	Orders 89	Marketable Limit Orders(%)	Limit Orders 45.95	Limit Orders(%)	1.11	1 20	Paid/Received for Market Orders(USI 0.00	Paid/Received for Market Orders(cen D) per hundred share	Paid/Received for its Marketable Limit s) 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 shares	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares)
enue - Non- rected Order Flow N tadel Securities .C(CDRG) IRTU Americas, .C(NITE) ne Street Capital,	25 20	s Orders(%) 4	36.92 : 29.07 :	235 36. 188 29.	Orders 89 51	9	Limit Orders 45.95 24.32	Limit Orders(%) 1 1 0	1.11	1 20	Paid/Received for Market Orders(USI 0.00	Paid/Received for Market Orders(cen D) per hundred share	Paid/Received for its Marketable Limit s) 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 shares	Paid/Received for) Other Orders(USD) 0	Paid/Received for Other Orders(cents per hundred shares)
Venue - Non- lirected Order Flow N Litadel Securities LC(CDRG) IRTU Americas, LC(NITE) ane Street Capital, LC(JNST) 51 Execution	25 20 10	s Orders(%) 4 0	36.92 : 29.07 : 15.55	235 36. 188 29. 102 16.	Orders 89 51		Limit Orders 45.95 24.32 10.81	Limit Orders(%) 1	1.11 0.00 1.11	1 20 3 60 0 0	Paid/Received for Market Orders(USI 0.00 0.00	Paid/Received for Market Orders(cen 0) per hundred share 0	Paid/Received for tts Marketable Limit s) 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 shares 0	Paid/Received for Other Orders(USD) 0	Paid/Received for Other Orders(cents per hundred shares)
enue - Non- irected Order Flow N Itadel Securities (C(CIORG) IRTU Americas, (C(INTE) ine Street Capital, (C(INST) 1 Execution ervices, LLC(ETMM) wo Sigma	25 20	s Orders(%) 4 0	36.92 : 29.07 : 15.55	235 36. 188 29.	Orders 89 51	9	Limit Orders 45.95 24.32 10.81	Limit Orders(%) 1	1.11	1 20 3 60 0 0	Paid/Received for Market Orders(USI 0.00 0.00	Paid/Received for Market Orders(cen D) per hundred share	Paid/Received for its Marketable Limit s) 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 shares 0	Paid/Received for Other Orders(USD) 0	Paid/Received for Other Orders(cents per hundred shares)
enue - Non- irected Order Flow N Itadel Securities (C(CDRG) IRTU Americas, (C(NITE) 1 Execution 2 Execution 2 Execution 2 Execution 3 Execution 3 Execution 4 Execution 5 Execution 6 Execution 7 Execution 7 Execution 8 Execution 8 Execution 8 Execution 9 Exec	25 20 10	s Orders(%) 4 0 7	36.92 : 29.07 : 15.55	235 36. 188 29. 102 16.	Orders 889 551 01	9	Limit Orders 45.95 24.32 10.81	Limit Orders(%) 1	1.11 0.00 1.11	1 20 3 60 0 0	Paid/Received for Market Orders(USI 0.00 0.00 0.00	Paid/Received for Market Orders(cen) per hundred share 0 0 0 0	Paid/Received for tts Marketable Limit s) Orders(USD)	Paid/Recelved for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD) 0 0	Paid/Recelved for Non-Marketable Limit Orders(cents per hundred shares 0 0	Paid/Received for) Other Orders(USD) 0 0 0	Paid/Received for Other Orders(cents per hundred shares)
venue - Non- irected Order Flow N Itadel Securities LC(CDRG) IRTU Americas, LC(NTE) IRTU Americas, LC(NTE) IRTU Americas, LC(NTE) IRTU Americas, LC(INTE) IRTU Americas IRTU	25 20 10 10	s Orders(%) 4 0 7	36.92 : 29.07 : 15.55 :	235 36. 188 29. 102 16. 95 14.	Orders 889 51 01	17 9 4	Limit Orders 45.95 24.32 10.81 16.22 2.70	Limit Orders(%) 1	1.11 0.00 1.11	1 26 3 66 0 0	Pald/Received for Market Orders(USI 0.00 0.00 0.00 0.00	Paid/Received for Market Orders(cen) per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for to Marketable Limit S) Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0	Paid/Received for Non-Marketable Limit Orders(USD) 0 0	Paid/Received for Non-MarketJumit Orders(cents per hundred shares 0 0	Paid/Received for) Other Orders(USD) 0 0 0	Paid/Received for Other Orders(cents per hundred shares)
enue - Non- irected Order Flow N Itadel Securities (LC(DRG) IRTU Americas, (LC(NTE) IRTU Securities (LC(NTE) IRTU Securities (LC(NTE) IRTU Securities (LC(NTE) IS Execution envices, LLC(ETMM) wo Sigma wo Sigma Se Securities (LC(SONO) Se Securities (LC(USSS) bose EDGX US quittes quittes	25 20 10 10	s Orders(%) 4 0 7 2 1 7	36.92 : 29.07 : 15.55 : 14.83 : 1.60 : 1.02 : 0.29	235 36. 188 29. 102 16. 95 14. 7 1. 0 0.	Orders 889 51 01 91 57 10 00 00 00 00 00 00 00 00 00 00 00 00	17 9 4 6	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00	Limit Orders(%) 1	1.11 0.00 1.11 1.11 0.00	1 20 3 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USL 0.00 0.00 0.00 0.00	Paid/Received for Market Orders(cen of the Control	Paid/Received for ts Marketable Limit s) Orders (USD) 0 0 0 0	Pald/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 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares 0 0 0	Pald/Received for Other Orders(USD) O O O O	Paid/Recived for Other Orders (cents per hundred shares) 0 0 0 0 0 0 0 0
renue - Non- lirected Order Flow N Itadel Securities LC(CIORG) IRTU Americas, LC(INTE) ane Street Capital, LC(INT) II Execution ervices, LLC(ETMM) ervices, LLC(ETMM) ervices, LLC(ETMM) Experiment Ex	25 20 10 10	s Orders(%) 4 0 7 2 1	36.92 : 29.07 : 15.55 : 14.83 : 1.60 : 1.02	235 36. 188 29. 102 16. 95 14. 10 1. 7 1.	Orders 889 51 01 91 57 10 00 00 00 00 00 00 00 00 00 00 00 00	17 9 4 6	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00	Limit Orders(%) 1	1.11 0.00 1.11 1.11 0.00	1 20 3 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Market Orders(USL 0.00 0.00 0.00 0.00	Paid/Received for Market Orders(cen of the Control	Paid/Received for ts Marketable Limit s) Orders(USD)	Pald/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 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares 0 0 0	Pald/Received for Other Orders(USD) O O O O	Paid/Recived for Other Orders (cents per hundred shares) 0 0 0 0 0 0 0 0
enue - Non- rected Order Flow N tadel Securities (CIDNG) RTU Americas, rected Control of the Cidne of the Cid	25 20 10 10	s Orders(%) 4 0 7 2 1 7	36.92 : 29.07 : 15.55 : 14.83 : 1.60 : 1.02 : 0.29	235 36. 188 29. 102 16. 95 14. 7 1. 0 0.	Orders 89 51 01 91 57 10 000 000 000 000 000 000 000 000 000	17 9 4 6	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00 0.00	Umit Orders(%) 1	1.11 0.00 1.11 1.11 0.00	1 20 3 60 0 0 0 0 0 0	Paid/Received for Market Orders(USL 0.00 0.00 0.00 0.00	Paid/Received for Market Orders(cen of the Control	Paid/Received for ts Marketable Limit s) 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 0 0	Paid/Received for Non-Marketible Limit Orders(cents per hundred shares) 0 0 0 0 0	Paid/Received for Other Orders(USD) O O O	Paid/Recived for Other Orders (cents per hundred shares) 0 0 0 0 0 0 0 0
enue - Non- inected Order Flow N tadel Securities (CICDRO) IRTU Americas, IRTU Am	25 20 10 10	s Orders(%) 4 0 7 2 1 7	36.92 29.07 15.55 14.83 1.60 1.02 0.29 0.15	235 36. 188 29. 100 16. 10 1. 7 1. 0 0. 0 0.	Orders 889 51 101 91 57 100 000 000	17 9 4 6 1 0	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00 0.00 0.00	Umit Orders(%) 1	1.11 0.00 1.11 1.11 0.00 0.00	1 22 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Paid/Received for Market Orders(USL 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cen) per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for ts Marketable Limit s) Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0	Pald/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares 0 0 0 0 0	Paid/Received for) Other Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Recived for Other Orders(cents per hundred shares)
Venue - Non- lirected Order Flow N Itadel Securities LC(CIORG) IRTU Americas, LC(INTE) ane Street Capital, LC(INTE) SI Execution ervices, LLC(IETMM) wo Sigma ecurities, LC(ISOHO) BIS Securities LC(ISOHO) BIS Securities LC(ISOHO) BIS Securities LC(ISOHO) BIS Securities LC(ISOHO) LC(ISOH	25 20 10 10	s Orders(%) 4 0 7 2 1 1 1	36.92 29.07 15.55 14.83 1.60 1.02 0.29 0.15	235 36. 188 29. 102 16. 95 14. 10 1. 7 1. 0 0. 0 0.	Orders 889 51 101 91 57 100 000 000	17 9 4 6 1 0	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00 0.00 0.00	Umit Orders(%) 1	1.11 0.00 1.11 1.11 0.00 0.00 0.00	1 22 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Paid/Received for Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cen) per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for ts Marketable Limit s) Orders(USD) 0 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0	Pald/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Or	Paid/Received for) Other Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Recived for Other Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 0
Venue - Non- directed Order Flow N Cinded Securities LLC(CORS) (WITU Americas, WITU Americas, WITU Americas, LLC(INST) (A Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) UBS Securities, LLC(SOHO) UBS Securities, LLC(SOHO) UBS Securities, LLC(SOHO) UBS SECURITIES, LLC(BESS) Choe EDGX US Equities Exchange(EDGX) Exchange(EDGX) Exchange(EDGX) Exchange(EDGX) AUGUST AUGUST USS AUGUST	25 20 10 10	s Orders(%) 4 0 7 2 1 1 1	36.92 29.07 15.55 14.83 1.60 1.02 0.29 0.15	235 36. 188 29. 102 16. 95 14. 10 1. 7 1. 0 0. 0 0.	Orders 889 51 101 91 57 100 000 000	17 9 4 6 1 0	Limit Orders 45.95 24.32 10.81 16.22 2.70 0.00 0.00 0.00	Umit Orders(%) 1	1.11 0.00 1.11 1.11 0.00 0.00 0.00	1 22 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Paid/Received for Market Orders(USI 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Paid/Received for Market Orders(cen) per hundred share 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for ts Marketable Limit s) Orders(USD) 0 0 0 0 0	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0	Pald/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Orders(cents per hundred shares of the Non-Marketable Limit Or	Paid/Received for) Other Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Recived for Other Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 0

Venue - Non-Directed directed Order Flow Non-Directed Orders Orders(%)

Market Orders Market Orders(%) Marketable Limit Orders(%) Marketable Limit Orders(%)

Net Payment Net Payment Net Payment Paid/Received for Paid/Receive

September 2023

S&P 500 Stocks Summary

Total Non-Directed Orders	as % of All Ord	Orders ers Total Market Or 100.00	Market Orders of Non-Directed orders Orders 265	d Total Marketable Limit Orders		Total Non-Marketable Limit Orders 0		ders Total Other Orders	Other Orders as % Non-Directed Orde 2 0.	ers								
Venues																		
Venue - Non- directed Order Flov Citadel Securities	w Non-Directed (Non-Directed Orders Orders(%)	Market Orders	Market Orders(%)	Marketable Limit) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD	Net Payment Paid/Received for Market Orders(cent) per hundred shares	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	Paid/Received for	Net Payment Paid/Received for Other Orders(cents per hundred shares)
LLC(CDRG)		109	40.07	107 40	0.53	0	0.00	1 16.	67	1 50.	.00	0	0	0	0	0 0	0 0	، د
VIRTU Americas, LLC(NITE)		82	30.15	81 30	0.68	0	0.00	1 16.	57	0 0.	.00	0	0	0	0	0 0	0 0) (
G1 Execution Services, LLC(ETMN	M)	40	14.71	39 14	1.77	0	0.00	0 0.	00	1 50.	.00	0	D	0	0	0 0	0 0	a (
Jane Street Capital, LLC(JNST)			11.76	32 12	2.12	0	0.00	0 0.		0 0.	.00	0	0	0	n	0 0	0 0	0
New York Stock		32										-			-			
Exchange(NYSE) Two Sigma Securities,		4	1.47	0 0.	0.00	0	0.00	4 66.	57	0 0.	.00	0	0	0	0	0 0	0 0	,
LLC(SOHO) UBS Securities.		4	1.47	4 1	1.52	0	0.00	0 0.	00	0 0.	.00	0	0	0	0	0 0	0 0) (
LLC(UBSS)		1	0.37	1 0	0.38	0	0.00	0 0.	00	0 0.	.00	0	0	0	0	0 0	0 0) (
September 2023																		
Non-S&P 500 Stock Summary	ks																	
Total Non-Directed Orders	as % of All Ord	Orders ers Total Market Or 100.00	rders Orders	d Total Marketable Limit Orders	Marketable Limit Orders as % of Non- Directed Orders 8 1.3	- Total Non-Marketable Limit Orders 19		ders Total Other Orders	Other Orders as % Non-Directed Orde 0 0.0	ers								
Venues																		
Venue - Non- directed Order Flov Citadel Securities	w Non-Directed (Non-Directed Orders Orders(%)	Market Orders	Market Orders(%)	Marketable Limit) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD	Net Payment Paid/Received for Market Orders(cent) per hundred shares	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 Other Orders(cents per hundred shares)
LLC(CDRG) VIRTU Americas,		226	39.72	218 39	9.93	1	12.50	7 50.	00	0 0.	.00	0	0	0	0	0 0	0 0) (
LLC(NITE)		200	35.15	192 35	5.16	4	50.00	4 28.	57	0 0.	.00	0	0	0	0	0 0	0 0) (
Jane Street Capital, LLC(JNST)	Ι,	80	14.06	77 14	1.10	2	25.00	1 7.										0 (
G1 Execution Services, LLC(ETMN	M)								14	0 0.	.00	0	0	0	0	0 0	υ .	
Two Sigma Securities,		57	10.02	56 10	0.26	1	12.50	0 0.0				0			-	0 0		
								0 0.	00	0 0.	.00	0	0	0	0	0 0	0 0	0 (
LLC(SOHO) Instinet		4	0.70	3 0	0.55	0	0.00	0 0.1 1 7.	00	0 0.	.00		0	0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX) Choe EDGX US		4		3 0	0.55			0 0.	00	0 0.	.00	0	0	0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX)		4	0.70	3 0.	0.55	0	0.00	0 0.1 1 7.	00 14 00	0 0. 0 0. 1 100.	.00	0	0	0 0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX) Cboe EDGX US Equities		4	0.70 0.18	3 0.	0.55	0	0.00	0 0.1 1 7. 0 0.1	00 14 00	0 0. 0 0. 1 100.	.00	0	0	0 0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX) Cboe EDGX US Equities Exchange(EDGX)		4	0.70 0.18	3 0.	0.55	0	0.00	0 0.1 1 7. 0 0.1	00 14 00	0 0. 0 0. 1 100.	.00	0	0	0 0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX) Choe EDGX US Equities Exchange(EDGX) September 2023 Option Contracts Summary Total Non-Directed Orders		1	0.70 0.18 0.18 Market Orders : 0 Non-Directed orders Orders	as % Total Marketable Limit Orders	0.55 0.00 0.00 Marketable Limit Orders as % of Non-	0 0 Total Non-Marketable Limit Orders	0.00 0.00 Non-Marketable Limit Orders as % Non-Directed Ord	0 0. 1 7. 0 0. 1 7. cof	00 14 00 14 Other Orders as %	0 0. 0 1 100. 0 0.	.00	0	0	0 0	0	0 0	0 0	0 (
LLC(SOHO) Instinet BlockCross(BLKX) Choe EDGX US Equities Exchange(EDGX) September 2023 Option Contracts Summary Total Non-Directed Orders	as % of All Ord	1 1 proders rs Total Market O:	0.70 0.18 0.18 Market Orders : 0 Non-Directed orders Orders	as % Total Marketable Limit Orders	0.00 Marketable Limit Orders as % of Non- Directed Orders	0 0 Total Non-Marketable Limit Orders	0.00 0.00 Non-Marketable Limit Orders as % Non-Directed Ord	0 0. 1 7. 0 0. 1 7. cof	000 14 Other Orders as % Non-Directed Orde	0 0. 0 1 100. 0 0.	.00	0	0	0 0	0	0 0	0 0	0 (