Major   Content   Conten
Securities does not receive payment for order flow   1x4 Courtee, 2022
Safe Spot Spot Spot Spot Spot Spot Spot Spot
Dambury   2022   Summary   2022   Summary
SAP 705 Stocks   Summary   SAP 705 Stocks   SA
Summary   Summ
Market Orders as S of Orders as S
Total Marketable   Orders
Dried
Venues   100.00   36   76.80   2   4.26   4   8.51   5   10.66
Venue
Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Unit Orders   No
Venue - Non-   Non-Directed   Non-Directed   Non-Directed   Orders (No)   Non-Marketable Limit   Non-Marketable Limit Orders(N)   Order   Unit Orders(N)   Orders   Unit Or
Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Limit   Non-Marketable   Limit   Non-Marketable   Limit   Orders   Non-Marketable   Non-Marketable   Limit   Orders   Non-Marketable   Limi
Venue-Non-   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Unit Orders (Str.)   Unit Or
Girected Order Flow   Orders
Citable Securities
VIETU Americas, LLC(NTE) 13 23.21 11 30.56 0 0.00 1 8.33 1 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LLC(INTE)
NASDAQ Execution Services, LLC(NSDQ) 8 14.29 0 0.00 1 33.33 7 58.33 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Service, LLC(NSDQ)   8   14.29   0   0.00   1   33.33   7   58.33   0   0.00   0   0   0   0   0   0   0
Services, LLC(NSDQ)   8   14.29   0   0.00   1   33.33   7   58.33   0   0.00   0   0   0   0   0   0   0
Jane Street Capital,
LLL(JNST)   7   12.50   7   19.44   0   0.00   0   0.00   0   0,00   0   0   0   0   0   0
Cboe EDGX US
Equities
New York Stock
Exchange(WYSE) 2 3.57 0 0.00 0 0.00 2 1667 0 0.00 0 0 0 0
GI Execution Services, LUCIFIMM) 1 1.79 1 2.78 0 0.00 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0
1   1.75   1   2.78   0   0.00   0   0.00   0   0   0   0
Non-SAP 500 Stocks
Non-\$87-500 Stocks
Summay Non-Marketable South So
Non-Directed Market Orders as % Marketable Limit Limit Orders as % of Other Orders as %
Total Non-Directed Orders as % of All of Non-Directed Total Marketable Orders as % of Non-Directed of Non-Directed of Non-Directed Orders as %
Orders         Total Market Orders         Unit Orders         Unit Orders         Orders         Total On-Marketable Limit Orders         Orders         Total Other Orders         Orders         Total Other Orders
Venues
Net Payment Net Payment Net Payment Net Payment
Pald/Received for Net Payment Pald/Received for Net Payment Paid/Received for Net Payment Paid/Received for
Net Payment Market   Paid/Received for   Marketable Limit   Paid/Received for   Non-Marketable   1
The Contract of the Contract o
Venue - Non-   Non-Directed   Marketable Limit   Non-Marketable   Non-Marketable   Non-Marketable   Non-Marketable   Pald/Received for   Orders(cents per   Marketable Limit   Orders(cents per   Non-Marketable   Limit Orders(cents per   Non-Marketable   Non-Ma
Venue- Non- Non-Directed Non-Directed Indirected Orders (Wind Foundation Foun
Venue - Non-   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Umit   Non-Market
Venue- Non- Identiced Orders (Non-Directed Mon-Directed directed Order (Non-Directed directed Order (Non-Directed directed Order (Non-Marketable Limit Orders((No) Orders (Non-Marketable Limit Orders(No) Market Orders (Non-Marketable Limit Orders (Non-M
Venuer - Non-   Non-Directed   Non
Venue-Non-   Non-Directed   Non-Di
Venue-Non-Non-Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Non-Ma
Venue-Non-   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Unit   Unit   Non-Marketable   Unit   Unit   Non-Marketable   Unit
Venue-Non-Non-Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable
Venue-Non-Non-Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Unit Orders(St)   Venue-Non-Non-Non-Non-Non-Non-Non-Non-Non-Non
Venue-Non-   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Directed   Non-Marketable   Unit Orders(S)   U
Venue-Non-On-On-On-On-On-On-On-On-On-On-On-On-On
Venue-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor
Venue-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor
Venue-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor
Venue-Non-Non-Non-Directed   Venue-Non-Non-Directed   Venue-Non-Non-Non-Non-Non-Non-Non-Non-Non-Non
Venue-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor
Venue-Non-Non-Non-Directed   Venue-Non-Non-Directed   Venue-Non-Non-Non-Non-Non-Non-Non-Non-Non-Non
Venue-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor-Nor
Vanue-Non-Non-Non-Non-Non-Non-Non-Non-Non-Non
Venue-Non-Non-Non-Non-Directed Market Directed of Orders (Non-Directed Market Directed Profest)
Vanue-Non-Non-Non-Non-Directed   More-Directed   More-Direct
Vanue - Non-   Non-Directed   Non-
Venue
Variable Non-   Non-Directed   Non-Directed   Griders (1)   Market Orders (1)   Mark
Venue   Non-Directed   Non-Directe
Version   Non-Oriented More   Orders
Venuer New   Now Olivers of More's Ordered Stories   Now Olivers of More's Ordered Stories   Now Marketable Limit Confernation   Now Mar
Volume   Non-Oliverical Profession   Non-Oliverical Profession   Orders   Orders   Orders   Orders   Orders   Orders   Order   Orders   Or
Visual- Note
Visual - Note
Victor: Note:   Note
Vicus-1-10-10-10-10-10-10-10-10-10-10-10-10-1
Victor   Note   Not-Directed   Not
Victor   Note
Visit Profession   Visit Profe

Venue - Non- directed Order Flow	Non-Directed Orders	Non-Directed Orders(%) Mar	rket Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD	Net Payment Paid/Received for Market Orders(cents per	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities	25	42.17	20	42.65		0.00		36.36		66.67								
VIRTU Americas,	33		29									' ·	- ·		· ·	1		1 1
LLC(NITE) Jane Street Capital,	18	21.69	18	26.47	0	0.00		0.00	0 0	0.00		0	0	0	0			) 0
LLC(JNST)	16	19.28	15	22.06	1	100.00		0.00	0 0	0.00	0	0	0	0	0			) 0
G1 Execution																		
Services, LLC(ETMM)	5	6.02	5	7.35	0	0.00		0.00	) (	0.00	0	0			0			) 0
NASDAQ Execution Services, LLC(NSDQ)		4.82	0	0.00		0.00	l ,	36.36	5	0.00	,		١.	١.	١ .	, ,		
Instinet														,				
BlockCross(BLKX) Choe EDGX US	1	1.20	0	0.00	0	0.00		0.00	1	33.33	3	0	0	0	0			4 9
Equities Exchange(EDGX)		1.20	0	0.00		0.00		9.09		0.00	,					,		
Members	-															1		1
Exchange(MEMX) New York Stock	1	1.20	0	0.00	0	0.00	1	9.09	9 0	0.00		0	0	0	0			1 0
Exchange(NYSE)	1	1.20	0	0.00	0	0.00	1	9.09	9 (	0.00	0	0	0	0	0			) 0
UBS Securities, LLC(UBSS)	1	1.20	1	1.47	0	0.00		0.00		0.00						,		ا ا
February 2022																		$\vdash$
Non-S&P 500 Stocks																		
	Non-Directed Orders as % of All	of N		Total Marketable	Marketable Limit Orders as % of Non-		Non-Marketable Limit Orders as % of Non-Directed		Other Orders as % of Non-Directed									
Orders 37	Orders 100.00	Total Market Orders Order	72.97	Limit Orders	Directed Orders 5.41	Total Non-Marketable Limit Orders	Orders 10.83	Total Other Orders	Orders 1 10.83									+
	200.00	-1	. 2.37		3.42		10.0.		10.0									
Venues											Net Payment	Net Payment Paid/Received for	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Received for	Net Payment Paid/Received for Non-Marketable		Net Payment Paid/Received for
Venue - Non- directed Order Flow Citadel Securities	Non-Directed Orders	Non-Directed Orders(%) Mar	rket Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(USD	Market Orders(cents per hundred shares)	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)	Limit Orders(cents	Net Payment Paid/Received for Other Orders(USD)	Other Orders(cents per hundred shares)
LLC(CDRG) VIRTU Americas,	14	37.84	14	51.85	0	0.00		0.00	0	0.00	0	0	0	0	C			) 0
LLC(NITE)	12	32.43	6	22.22	2	100.00		0.00	0 4	100.00	0	0	0	0	C			0 0
Jane Street Capital, LLC(JNST)	4	10.81	4	14.81		0.00		0.00		0.00						,		
G1 Execution																		
Services, LLC(ETMM)	3	8.11	3	11.11	0	0.00		0.00	0	0.00					0			0
Choe EDGX US																		
Exchange(EDGX)	2	5.41	0	0.00	0	0.00		50.00	0 0	0.00	0	0	0	0	0			) 0
NASDAQ Execution				0.00		0.00		50.00		0.00								
Services, LLC(NSDQ) February 2022		5.41	U	0.00		0.00		50.00		0.00	,					1		1 0
Option Contracts Summary																		+
	Non-Directed Orders as % of All	Mar of N	rket Orders as %	Total Marketable	Marketable Limit Orders as % of Non-		Non-Marketable Limit Orders as % of Non-Directed		Other Orders as % of Non-Directed									
Orders	Orders	Total Market Orders Orde	lers	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders									$\perp$
2	100.00	0	0.00	1	50.00	1	50.00		0.00		<u> </u>							
Venues	No. Diseased	Non-Directed			Madasable Hall		Non-Marketable	Non-Marketable			Net Payment Paid/Received for	Net Payment Paid/Received for Market	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Received for Non-Marketable	Net Payment Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents
directed Order Flow	Non-Directed Orders		rket Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Market Orders(USD	Orders(cents per hundred shares)	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)	
Citadel Securities LLC(CDRG)	-	50.00	0	0.00		100.00		0.00	,	0.00	,							
Morgan Stanley &	1	30.00	U	0.00	<u> </u>	100.00	<u> </u>	0.00	,	0.00	1	1	,	°	T .	1	<u> </u>	1
Company LLC(MSCO)	1	50.00	0	0.00	0	0.00		100.00	0	0.00								اه
March 2022 S&P 500 Stocks																		
S&P 500 Stocks Summary																		
Total Non-Directed	Non-Directed Orders as % of All Orders	of N Total Market Orders Orde	rket Orders as % Non-Directed lers 72.97	Total Marketable Limit Orders	Marketable Limit Orders as % of Non- Directed Orders 2.70	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders 8.12	Total Other Orders	Other Orders as % of Non-Directed Orders									
Venues																		=
venues											Net Payment	Net Payment Paid/Received for Market	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Received for	Net Payment Paid/Received for Non-Marketable	Net Payment	Net Payment Paid/Received for
directed Order Flow Citadel Securities	Non-Directed Orders		rket Orders		Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(USD	Orders(cents per	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)	Limit Orders(cents per hundred shares)	Paid/Received for	Other Orders(cents
LLC(CDRG)	15	36.59	9	33.33	0	0.00		0.00	0 6	100.00	) (	0	0	0	0			اد

Jane Street Capital,																		
LLC(JNST)	8	19.51	7	25.93	1	100.00	) (	0.0	0	0.00	)	0 0	0	1 0	) (	0		l ol
VIRTU Americas,																		
LLC(NITE)	6	14.63	6	22.22		0.00		0.0		0.00	)	0	0	ıl c		n .		ا ا
												-	-					
NASDAQ Execution																		
Services, LLC(NSDQ)	5	12.20	0	0.00	0	0.00	) :	71.4	3 0	0.00		0 (	0 0	( C		) 0		0
G1 Execution																		
Services, LLC(ETMM)	4	9.76	4	14.81		0.00	1	0.0	0	0.00	1	0	n n	ıl c		n n	ا ا	ا ا
New York Stock						-		-				-	-					
Exchange(NYSE)		4.88		0.00		0.00		28.5		0.00								ا ا
		4.88	U	0.00		0.00		28.5	,	0.00	)	0 1	0	1	1	1 0		0
Two Sigma																		
Securities,																		
LLC(SOHO)	1	2.44	1	3.70	0	0.00	) (	0.0	0	0.00	)	0 (	0 0	) c	) (	0		0
March 2022																		
Non-S&P 500 Stocks								1	1		1	1						
Summary				1	t	1	1	+	+	1	+	+	+	t	<b>+</b>		1	
Julillaly								-	+		-	+						
1		1	1		1	1	Non-Marketable	1	1		1	1	1	1	1	1	1	1
	Non-Directed		Market Orders as %		Marketable Limit		Limit Orders as % of		Other Orders as %									
	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	<b>Total Other Orders</b>	Orders									
67	100.00	59	88.06	1	1.49	0	0.00	)	7 10.45									
Venues								+	+		+	+			<u> </u>	<del> </del>		
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			Paid/Received for	Orders(cents per	Marketable Limit	Orders(cents per	Non-Marketable	Limit Orders(cents	Paid/Received for	Other Orders(cents
					Ordore	Marketable Limit Orders(%)	Limit Orders	Limit Ordoro(%)	Other Orders	Other Orders(9/)	Market Ordere(HCD	) hundred charec)	Ordord(USD)	hundred charec)	Limit Ordore/LICD)	nor hundred charec)	Other Orders(USD)	nor hundred charect
directed Order Flow	Orders	Orders(%)	Market Orders	Market Orders(%)	Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Market Orders(USD	) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares)
Citadel Securities	Orders		Market Orders									) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares)
Citadel Securities LLC(CDRG)	Orders 26	Orders(%) 38.81	Market Orders	Market Orders(%) 40.68		Marketable Limit Orders(%)  0.00		Limit Orders(%)		Other Orders(%)		hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares)
Citadel Securities LLC(CDRG) VIRTU Americas,	26	38.81	Market Orders	40.68		0.00	) (	0.0	2	28.57	,	0 hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares)
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE)	26 16	38.81	Market Orders  24				) (		2		,	0 hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0
Citadel Securities LLC(CDRG) VIRTU Americas,	26	38.81	Market Orders  24	40.68		0.00	) (	0.0	2	28.57	,	0 hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital,	26	38.81	24	40.68	2	0.00	) (	0.0	) 2	28.57	1	0 hundred shares) 0 0	Orders(USD)  0 0 0  0 0	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE)	26 16	38.81	24	40.68	2	0.00	) (	0.00	) 2	28.57	1	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JNST)	26 16	38.81	24	40.68	2	0.00	) (	0.00	) 2	28.57	1	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0  0  0  0	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0 0
Citadel Securities  LLC(CDRG)  VIRTU Americas,  LLC(NITE)  Jane Street Capital,  LLC(JNST)  G1 Execution	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.00	3 4	28.57 57.14 0.00	1	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0 0 0  0 0	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per hundred shares) 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JINST) G1 Execution Services, LLC(ETMM)	26 16	38.81	24	40.68	2 C	0.00		0.00	3 4	28.57	1	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0 0 0  0 0  0 0  0 0  0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0  0 0  0 0  0 0  0 0  0 0	Other Orders(USD)	per hundred shares) 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JINST) G1 Execution Services, LLC(ETMM) Two Sigma	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.00	3 4	28.57 57.14 0.00	1	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0 0 0  0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0  0  0  0  0  0  0  0	Other Orders(USD)	per hundred shares)  0  0  0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities,	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.01	2 2 3 4 5	28.51 57.14 0.00	3	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders(USD)	per hundred shares) 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JINST) G1 Execution Services, LLC(ETMM) Two Sigma	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.00	2 2 3 4 5	28.57 57.14 0.00	3	0 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Limit Orders(USD)	per hundred shares)  0	Other Orders(USD)	per hundred shares) 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities,	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.01	2 2 3 4 5	28.51 57.14 0.00	3	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0  0 0  0 0  0 0  0 0  0 0	Other Orders(USD)	per hundred shares) 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO)	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.01	2 2 3 4 5	28.51 57.14 0.00	3	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	Orders(USD)  0 0 0  0 0  0 0  0 0  0 0  0 0  0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0  0  0  0  0  0  0  0  0  0  0  0  0	Other Orders(USD)	per hundred shares) 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(MITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.01	2 2 3 4 5	28.51 57.14 0.00	3	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0  0 0  0 0  0 0  0 0  0 0	Other Orders(USD)	per hundred shares) 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022	26 16	38.81 23.88 19.40	24	40.68 18.64 22.03	2 C	0.00		0.01	2 2 3 4 5	28.51 57.14 0.00	3	o (	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0  0  0  0  0  0  0  0  0  0  0  0  0	Other Orders(USD)	per hundred shares) 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(MITE) Jane Street Capital, LLC(JNST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts	26 16 13 9	38.81 23.88 19.40	24 11 13 8	40.68 18.64 22.03		0.00	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.01	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	28.51 57.14 0.00	3	0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0	Other Orders(USD)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTG) Jane Street Capital, LLC(INST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SDHO) March 2022 Option Contracts Summary	26 16 13 3 9 3 Non-Directed	38.81 23.88 19.40	24 11 13 8 8 Market Orders as %	40.68 18.64 22.03 13.56 5.08	C C C C C C C C C C C C C C C C C C C	0.00	( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	0.01	d d d d d d d d d d d d d d d d d d d	28.51 57.14 0.00	3	o (	Orders(USD)  0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0	Other Orders(USD)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) Jane Street Capital, LLC(INST) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary	26 16 13 9	38.81 23.88 19.40	24 11 13 8	40.68 18.64 22.03		0.00	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.01	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	28.51 57.14 0.00	3	)) hundred shares) 0	Orders(USD) 0	hundred shares)	Limit orders(USD)	per hundred shares)  0 0 0  0	Other Orders(USD)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTR) Jane Street Capital, LLC(NTS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, Securities, LLC(SDHO) March 2022 Option Contracts Summary Total Non-Directed	26 16 13 3 9 3 Non-Directed	38.81 23.88 19.40	24 11 13 8 8 3 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	C C C C C C C C C C C C C C C C C C C	0.00	( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	0.01	Other Orders as % of Non-Directed	28.51 57.14 0.00	3	o (	Orders(USD) 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0	Other Orders(USD)	per hundred shares)  0  0  0  0  0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTR) Jane Street Capital, LLC(NTS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, Securities, LLC(SDHO) March 2022 Option Contracts Summary Total Non-Directed	26 16 13 9 3 Non-Directed Orders as % of All	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 3 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	C C C C C C C C C C C C C C C C C C C	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed	28.57 57.14 0.00 14.25	3	)) hundred shares) 0	Orders(USD) 0	hundred shares)	Limit orders(USD)	per hundred shares)  0 0 0  0	Other Orders(USD)	per hundred shares)  0  0  0  0  0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTR) Jane Street Capital, LLC(NTS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, Securities, LLC(SDHO) March 2022 Option Contracts Summary Total Non-Directed	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	o) hundred shares)  o  o  o  o  o  o  o  o  o  o  o  o  o	Orders(USD) 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0  0  0  0  0  0  0  0  0  0  0  0  0	Other Orders(USD)	per hundred shares) 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTS) Jane Street Capital, LLC(INTS) Genvices, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	o) hundred shares)  0  0  0  0  0  0	Orders(USD)  0  0  0  0  0  0  0  0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders(USD)	per hundred shares) 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTR) Jane Street Capital, LLC(NTS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, Securities, LLC(SDHO) March 2022 Option Contracts Summary Total Non-Directed	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	)) hundred shares) 0	Orders(USD) 0 0 0 0 0 0 0 0 0 0 0	hundred shares)	Limit Orders(USD)	per hundred shares)  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0  0 0 0 0  0 0 0 0  0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0 0  0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0 0 0  0 0 0 0 0 0  0 0 0 0 0 0	Other Orders(USD)	per hundred shares)  0  0  0  0  0  0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTS) Jane Street Capital, LLC(INTS) Genvices, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	0 0 0	Orders(USD) 0 0 0 0 0 0 0 0 0		Limit Orders(USD)		Other Orders(USD)	per hundred shares) 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTS) Jane Street Capital, LLC(INTS) Genvices, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	o o o o o o o o o o o o o o o o o o o	Limit Orders(USD)	D C C C C C C C C C C C C C C C C C C C	Other Orders(USD)	0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTS) Jane Street Capital, LLC(INTS) Genvices, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	0 0 0	Orders(USD) 0		Limit Orders(USD)		Other Orders(USD)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTS) Jane Street Capital, LLC(INTS) Genvices, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1	26 16 13 9 3 Non-Directed Orders as % of All Orders	38.81 23.88 19.40 13.43 4.48	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non-Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	o o o o o o o o o o o o o o o o o o o		D C C C C C C C C C C C C C C C C C C C	Other Orders(USD)	0 0 0
Citadel Securities LL(CICNG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTE) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(ISOHO) March 2022 Option Contracts Summary Total Non-Directed Orders  1 Venues	26 16 13 9 3 Non-Directed Orders as % of All Orders 100.00	38.81 23.88 19.40 13.43 4.48  Total Market Orders	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08	Marketable Limit Orders as % of Non- Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders 0.00	0.00 0.00 0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	Net Payment	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O C C C C C C C C C C C C C C C C C C C	Net Payment Paid/Received for	D C C C C C C C C C C C C C C C C C C C	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(JNTE) GI Execution Services, LLC(ETMIM) Two Sigma Securities, LLL(ESOHO) March 2022 Option Contracts Summary Total Non-Directed Orders  1 Venues	26 16 13 3 9 3 Non-Directed Orders as % of All Orders 100.00	38.81 23.88 19.40 13.43 4.48 Total Market Orders	24 31 13 8 8 3 Market Orders as % of Non-Directed Orders 100.00	40.68 18.64 22.03 13.56 5.08 Total Marketable Limit Orders 0	Marketable Limit Orders as % of Non- Directed Orders 0.00	0.00 200.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % Orders Orders One-Marketable	O O.01 O.00 O.01 O.01 O.01 Total Other Orders	Other Orders as % of Non-Directed Orders.	28.57 57.14 0.00 14.25	Net Payment Paid/Received for	0 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o c c c c c c c c c c c c c c c c c c c	Net Payment Paid/Received for	D C C C C C C C C C C C C C C C C C C C	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LL(CICNG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTE) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(ISOHO) March 2022 Option Contracts Summary Total Non-Directed Orders 1 Venues	26 16 13 3 9 3 Non-Directed Orders as % of All Orders 100.00	38.81 23.88 19.40 13.43 4.48  Total Market Orders	24 11 13 8 8 Market Orders as % of Non-Directed	40.68 18.64 22.03 13.56 5.08 Total Marketable Limit Orders 0	Marketable Limit Orders as % of Non- Directed Orders	0.00 100.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders 0.00	0.00 0.00 0.00 0.00 0.00 0.00	Other Orders as % of Non-Directed Orders	28.57 57.14 0.00 14.25	Net Payment	0 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O C C C C C C C C C C C C C C C C C C C	Net Payment Paid/Received for	D C C C C C C C C C C C C C C C C C C C	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NTE) Jane Street Capital, LLC(DNTE) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary  Total Non-Directed Orders  1 Venues  Venue - Non- directed Order Flow Citadel Securities	26 16 13 3 9 3 Non-Directed Orders as % of All Orders 100.00	38.81 23.88 19.40 13.43 4.48  Total Market Orders 1  Non-Directed Orders(%)	24  11  13  8  3  Market Orders as % of Non-Directed Orders 100.00  Market Orders	40.68 18.64 22.03 13.56 5.08 Total Marketable Limit Orders 0	Marketable Limit Orders as % of Non- Directed Orders  Marketable Limit Orders	Total Non-Marketable Limit Orders  Marketable Limit Orders(%)	Non-Marketable Limit Orders as % of Non-Directed Orders 0.00	O O.01 O.00 O.01 O.01 O.01 Total Other Orders Non-Marketable	Other Orders  Other Orders	28.57 57.14 0.00 14.25 0.00	Net Payment Paid/Received for Market Orders(USC	0 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o c c c c c c c c c c c c c c c c c c c	Net Payment Paid/Received for	D C C C C C C C C C C C C C C C C C C C	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citadel Securities LL(CICNG) VIRTU Americas, LLC(INTE) Jane Street Capital, LLC(INTE) Jane Street Capital, LLC(INTE) GE Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) March 2022 Option Contracts Summary Total Non-Directed Orders  1 Venues  Venue - Non- directed Order Flow	26 16 13 3 9 3 Non-Directed Orders as % of All Orders 100.00	38.81 23.88 19.40 13.43 4.48 Total Market Orders	24  11  13  8  3  Market Orders as % of Non-Directed Orders 100.00  Market Orders	40.68 18.64 22.03 13.56 5.08 Total Marketable Limit Orders 0	Marketable Limit Orders as % of Non- Directed Orders  Marketable Limit Orders	0.00 200.00 0.00 0.00 0.00 Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders 0.00	O O.01 O.00 O.01 O.01 O.01 Total Other Orders	Other Orders  Other Orders	28.57 57.14 0.00 14.25	Net Payment Paid/Received for Market Orders(USC	0 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o c c c c c c c c c c c c c c c c c c c	Net Payment Paid/Received for	D C C C C C C C C C C C C C C C C C C C	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0