S&P		Stocks
Sum	mar	

										Non-Marketable			
		Non-Directed			Market Orders as %		Marketable Limit			Limit Orders as % of		Other Orders as 9	2
Total	Non-Directed	Orders as % of A			of Non-Directed	Total Marketable	Orders as % of Non-			Non-Directed		of Non-Directed	
Order	rs	Orders		Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders		Orders	Total Other Orders	Orders	
	3,093	10	00.00	2,793	90.30	266	8.60		29	0.94		. 0	.16
Venu	06												

Venue - Non- Non-Directed directed Order Flow Orders		Non-Directed Orders(%)	Market Orders	Market Orders	Marketable Lin %) Orders	nit Marketable Limit Orders(%)		on-Marketable mit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other	Orders(%)	Net Payment Paid/Received for Market Orders(USE	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)		Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents per hundred shares	5
National Financial																					
Services LLC(XSTM)	1,614	35.0	00	0	0.00	0	0.00		0	0.00	1,614	95.9	6	0	0	0	0	0) 0		٥
Citadel Securities																					
LLC(CDRG)	1,271	27.5	56 1,	149	14.02	118	44.36		1	L85	3	0.1	В	0	0	0	0	0	7 0	1	ð
VIRTU Americas,																					
LLC(NITE)	782	16.9	16	713	17.32	67	25.19		0	0.00	2	0.1	2	0	0	0	0	0	0 د	1	٥
Jane Street Capital,																					
LLC(JNST)	615	13.3	13	553	11.19	62	23.31		0	0.00	0	0.0	0	0	0	0	0	0	, 0		9
G1 Execution																					
Services,	144	3.1		128	4.90		5.64			L85	0		0		0						
LLC(ETMM) Instinet	144	3.1	12	128	4.90	15	5.64		1	1.85	0	0.0		U	0	0	0	U	, ,		J
Instinct BlockCross(BLICK)	63	1.3	17	0	0.00	0	0.00			1.00	63	3.7		n	0	0					
Two Sigma	0.3	1.3	37	0	0.00	0	0.00		U		63	3.7	•	U	0	0					,
Securities.																					
LLC(SOHO)	43	0.5	12	42	1.61	4	0.38		0	0.00		0.0	n	n	0	0		0	0 0		
UBS Securities,	43	0.4		74	2.02	•	0.30					0.0				•					_
LLC(UBSS)	28	0.6	31	25	0.96	3	1.13		0	0.00	0	0.0	n	n	0	0	0	n			0
New York Stock			-			-			-		-			-	-	-	-		-		
Exchange(NYSE)	21	0.4	16	0	0.00	0	0.00		21 3	1.89	0	0.0	0	0	0	0	0	0	o 0		0
Choe EDGX US																					
Equities																					
Exchange(EDGX)	18	0.3	19	0	0.00	0	0.00	1	18 3	3.33	0	0.0	D	0	0	0	0	0	J 0	1	٥

		Non-Directed		Market Orders as %		Marketable Limit		Limit Orders as	1% of	Other Orders as	٠%
Total Nor	n-Directed	Orders as % of All		of Non-Directed	Total Marketable	Orders as % of No		Non-Directed		of Non-Directed	4
Orders		Orders	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders	
	4.330	100.0	0 4,090	94.46	92	2 2	12	131	3.03	17	0.3

Note		nue - Non- Non-Directed ected Order Flow Orders		-Directed ers(%)	Market Orders	Market Orders	Marketable Limi (%) Orders	t Marketable Limit Orders(%)		on-Marketable mit Orders	Non-Marketable Limit Orders(%)	Other Orders	Other Orders	Pai	rt Payment	Paid/Received for Market Orders(cents per) 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)		Net Payment Paid/Received for S) Other Orders(USD)	Net Payment Paid/Received for Other Orders(cen per hundred share	nts
WITHOUT 1,145 1,155 1,106 27,98 28 30,11 4 1,10 4 0,15 0 0 0 0 0 0 0 0 0	Se	rvices LLC(XSTM) adel Securities						0							-		-	-	0	0	0		0
Instruction	VI	RTU Americas,								1			11				-	-	0	0	0		0
Sirvick, Sirvick,	ja	ne Street Capital,											0				-	-	0	0	0 1	,	0
Service, LUCINGOD 91 129 0 0.00 1 1.08 90 27.11 0 0.00 0 0 0 0 0 0 0	Se	rvices,	244	3.45	5 2			6	6.45	:	3	0.90	0		0		0	0	0	0	0		0
	Se	rvices, LLC(NSDQ) oe EDGX US	91	1.29	•	0	0.00	1	1.08	91	0 2	7.11	0	0.00	0		0	0	0	0	0		0
Two Sigma Securius, LLC(5940) 52 0.74 49 1.24 1 1.08 2 0.60 0 0.00 0 0 0 0 0 0 0	Ex	:hange(EDGX)	75	1.06	5	0	0.00	0	0.00	75	5 2	2.59	0	0.00	0		0	0	0	0	0	0	0
LL(\$G)HO) 52 0.74 49 1.24 1 1.08 2 0.60 0 0.00 0 0 0 0 0 0 0 0	Tv	o Sigma	63	0.89	9	0	0.00	0	0.00		0	0.00	63	2.34	0		0	0	0	0	0		0
	LL	C(SOHO)				49 0	1.24 0.00	0	1.08 0.00	4	2 6 1	0.60 3.86	0	0.00			0	0	0	0	0 0	0	0

							Non-Marketable			
	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	Total Other Orders	Orders	
887	100.0	0 699	78.35	14	1.58	17	5 19.	73		0.34

Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities	Non-Directer Orders(%)	d Market Orders	i Market Orde	Marketable Limi	it Marketable Limit Orders(%)	Non-Marketa Limit Orders	ble Non-Marketa Limit Orders		Other Orders(Net Payment Paid/Received for Market Orders(US	Net Payment Paid/Received for Market r Orders(cents per iii) hundred shares)	Paid/Received for	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)		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)	
LLC(CDRG)	445	47.09	328	47.19	5	33.33	112	48.28	0	0.00	0	0	0	0	0 1			٥
Susquehanna																		
Capital Group(SUSQ)	296	31.32	264	37.99		46.67	23	9.91		66.67	0	0	0					
Group(SUSQ)	230	31.32	204	37.99	*	40.07	23	9.91	2	00.07	0	0		0		,	,	,
Wolverine																		
Execution Services LLC(WEXX)	77	8.15	10	1.44		0.00	67	28.88		0.00		0	0					
Dash Financial	"	8.15	10	1.44	0	0.00	6/	28.88	0	0.00	0	0	0	0	0 1	, ,	,	,
Technologies																		
LLC(DASH)	72	7.62	49	7.05	2	13.33	21	9.05	0	0.00	0	0	0	0	0 () () ()
Morgan Stanley & Company																		
LLC(MSCO)	54	5.71	44	6.33	1	6.67	9	3.88	0	0.00	0	0	0	0	0 () (۵
Interactive Brokers																		
LLC(IBKR)	1	0.11	0	0.00	0	0.00	0	0.00	1	33.33	0	0	0	0	0 1) (j

		Non-Directed		Market Orders as %		Marketable Lin	nit		Limit Orders as 9	€ of	Other Orders	15 %
Total Non-Dir	rected	Orders as % of All		of Non-Directed	Total Marketable	Orders as % of	Non-		Non-Directed		of Non-Directe	.d
Orders		Orders	Total Market Orders	Orders	Limit Orders	Directed Order	 Total Non-Marketable Limit On 	ders	Orders	Total Other Orders	Orders	
	2,559	100.00	2,199	85.93	8	10	3.13	279	11	0.90	1	0.04

Venue - Non- directed Orde	Non-Directed er Flow Orders	Non-Direct Orders(%)	ed Market Order	s Market Ord	Marketable Lin	iit Marketable Limit Orders(%)	Non-Marketz Limit Orders			Other Order	Net Payment Paid/Received fi ss(%) Market Orders(t	Net Payment Paid/Received fo Market or Orders(cents per ISD) hundred shares)	Paid/Received fo	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)		Limit Orders(cent	Net Payment	Net Payment Paid/Received for Other Orders(cen per hundred share	nts
National Fina																			
Services LLC(1,356	30.69	0	0.00	0	0.00	0	0.00	1,356	98.55	0	0	0	0	0	0	0	0
Citadel Secur LLC(CDRG)	ities	999	22.61	883	44.02	35	37.23	81	8.59		0.00				0	0	0	0	
VIRTU Ameri		333	22.01	883	44.02	33	37.23	81	8.39	0	0.00	U	0	0	0	0	0	0	0
LLC(NITE)	,	560	12.67	482	24.03	23	24.47	54	5.73	1	0.07	0	0	0	0	0	0	0	0
Jane Street C	apital,																		
LLC(INST)		518	11.72	465	23.18	12	12.77	41	4.35	0	0.00	0	0	0	0	0	0	0	0
NASDAO Exer	cution																		
Services, LLC		347	7.85	0	0.00	1	1.06	346	36.69	0	0.00	0	0	0	0	0	0	0	0
New York Sto																			
Exchange(NY: G1 Execution		336	7.60	0	0.00	13	13.83	323	34.25	0	0.00	0	0	0	0	0	0	0	0
Services.																			
LLC(ETMM)		145	3.28	124	6.18	8	8.51	13	1.38	0	0.00	0	0	0	0	0	0	0	0
Choe EDGX U	s																		
Equities																			
Exchange(EDI Two Sigma	SX)	73	1.65	0	0.00	0	0.00	73	7.74	0	0.00	0	0	0	0	0	0	0	0
Securities.																			
LLC(SOHO)		36	0.81	31	1.55	1	1.06	4	0.42	0	0.00	0	0	0	0	0	0	0	0
UBS Securitie	s,																		
LLC(UBSS)		23	0.52	21	1.05	1	1.06	1	0.11	0	0.00	0	0	0	0	0	0	0	0

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											Net Payment		Net Payment		Net Payment			
Venue - Non- Non-Di	Xirected Non-Di		Order Music	Marke	etable Limit 's Marketable Limit Orders(%)	Non-Marketi Limit Orders			Other Orders(%)	Net Payment Paid/Received for	Paid/Received for Market Orders(cents per ID) 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	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents	ts
National Financial Services LLC(XSTM)	2,063	38.58	0	0.00	0	0.00		0.00 2,0			0		0		0			0
Citadel Securities LLC(CDRG) VIRTU Americas,	1,196	22.37	1,134	41.31	32	45.07		6.73	2 0.05		0		0		0			0
LLC(NITE) Jane Street Capital, LLC(JNST) G1 Execution	757 605	14.16	728 587	26.52 21.38	19	26.76 15.49		1.68	0 0.00		0		0		0 1			0
Services, LLC(ETMM)	238	4.45	225	8.20	4	5.63	9	2.16	0 0.00)	0	0	0	0	0		0	0
NASDAQ Execution Services, LLC(NSDQ)	163	3.05	0	0.00	1	1.41	162	38.94	0 0.00)	0	0	0	0	0 (.	0	0
Choe EDGX US Equities Exchange(EDGX)	90	1.68	0	0.00	0	0.00		21.63	0 0.00		0	0	0	0	0 (0
Instinet BlockCross(BLKX) Two Sigma	47	0.88	0	0.00	0	0.00	0	0.00	47 2.22	1	0	0	0	0	0 ()	0	0
Securities, LLC(SOHO) New York Stock	46	0.86	42	1.53	3	4.23		0.24	0 0.00				-		0 (0
Exchange(NYSE) February 2022	38	0.71	0	0.00	0	0.00	38	9.13	0 0.00)	0	0	0	0	0 ()	0	0
February 2022 Option Contracts Summary																		
	Xirected s as % of All	Market of Non-	Orders as % Directed Total I	Marketable Order	stable Limit s as % of Non-	Non-Marketa Limit Orders Non-Directed	able as % of d	Other Orders as 9 of Non-Directed	4									
Orders Orders 761	s Total N	Market Orders Orders 568	74.64	Orders Direct	ted Orders Total Non-Marketable Limit Ord 2.23	fers Orders 175	Total Other Or 23.00	ders Orders	13									
Venues											Net Payment		Net Payment Paid/Received for		Net Payment Paid/Received for			
	Oirected Non-Di				stable Limit	Non-Marketa				Net Payment Paid/Received for	Paid/Received for Market Orders(cents per	Paid/Received for Marketable Limit	Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Net Payment Paid/Received for Other Orders(cents	ts
directed Order Flow Orders Citadel Securities LLC(CDRG) Susquehanna	s Orders	(%) Market 48.77	Orders Marks	st Orders(%) Order 51.76	s Marketable Limit Orders(%)	Limit Orders 47.62		Other Orders 42.59	Other Orders(%) 0 0.00		(D) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)		0
Capital Group(SUSQ) Dash Financial	207	24.27	173	30.46	1	4.76	33	12.55	0 0.00)	0	0	0	0	0 1		0	0
Technologies LLC(DASH)	105	12.31	55	9.68	6	28.57	44	16.73	0 0.00)	0	0	0	0	0 1		0	0
Wolverine Execution Services LLC(WEXX)	76	8.91	15	2.64	2	9.52	59	22.43	0 0.00)	0	0	0	0	0 (0	0
Morgan Stanley & Company LLC(MSCO)	48	5.63	31	5.46	2	9.52		5.70	0 0.00		0		0		0 (0
Interactive Brokers LLC(IBKR)	1	0.12	0	0.00	0	0.00		0.00	1 100.00						0 1			0
March 2022																		
S&P 500 Stocks Summary	Xirected		Orders as %		stable Limit	Non-Marketa	able	Other Orders as 5										
Total Non-Directed Orders Orders 3,803	s as % of All	of Non-i Market Orders Orders 3,067	Directed Total I Limit	Marketable Order	trates Limit s as % of Non- ted Orders Total Non-Marketable Limit Ord 13.33	Limit Orders Non-Directed Sers Orders 225	as % of d Total Other Or 5.92	of Non-Directed ders Orders	.11									
Venues	20000	3,007	80.03	307	1333	113	3.34	-										
										Net Payment	Net Payment Paid/Received for Market	Paid/Received for	Net Payment Paid/Received for Marketable Limit	Paid/Received for	Net Payment Paid/Received for Non-Marketable		Net Payment Paid/Received for	
directed Order Flow Orders	Xirected Non-Di s Orders	irected (%) Market	Orders Marks	Marke et Orders(%) Order	etable Limit s Marketable Limit Orders(%)	Non-Marketa Limit Orders		le) Other Orders	Other Orders(%)	Paid/Received for Market Orders(US	Orders(cents per iD) hundred shares)	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(USD)	Other Orders(cents per hundred shares	1)
National Financial Services LLC(XSTM) Citadel Securities LLC(CDRG)	1,556	29.05	1.098	0.00 38.51	0	0.00	0	0.00 1,5	56 98.98 2 0.13		0	0	0		0 1			0
Jane Street Capital, LLC(INST) VIRTU Americas,	728	13.59	678	23.78	46	9.43		0.90	0 0.00		0	-	0		0 1			0
VINTU Americas, LLC(NITE) New York Stock Exchange(NYSE)	691	12.90	656	23.01	29	5.94		0.90	2 0.13		0		0		0			0
G1 Execution Services, LLC(ETMM)	629	11.74	352	0.00	333	68.24 3.48		0.67	0 0.00						0 1			0
NASDAO Execution	3/2	6.95	352	12.35	17	3.48	3	0.67	0 0.00	J	0	0	U	0	0	,	U	0
Services, LLC(NSDQ) Two Sigma Securities,	106	1.98	0	0.00	0	0.00	106	23.82	0 0.00)	0	0	0	0	0		0	0
LLC(SOHO) UBS Securities, LLC(UBSS)	45 23	0.84	45 22	0.77	0	0.00		0.00	0 0.00		-		0		0 (0
Choe EDGX US Equities Exchange(EDGX)	16	0.30	0	0.00	0	0.00	16	3.60	0 0.00)	0	0	0	0	0 () (0	0
March 2022																		
Non-S&P 500 Stocks Summary																		
Non-Di Total Non-Directed Orders	Xirected 's as % of All	Market of Non-	Orders as % Directed Total I	Marke Marketable Order	etable Limit s as % of Non- ted Orders Total Non-Marketable Limit Ord	Non-Directed	as % of	Other Orders as 9 of Non-Directed ders Orders										
Orders Orders 4,847	s Total N	Market Orders Orders 4,492	92.68	Orders Direct	ted Orders Total Non-Marketable Limit Ord 3.57	ders Orders 158	Total Other Or 3.26	ders Orders 24 0	50									
Venues											Net Payment	No. Comment	Net Payment	Not Bernard	Net Payment		Not Server	
Venue - Non- Non-Di directed Order Flow Orders	Xirected Non-Di 's Orders	irected (%) Market	Orders Marks	Marke et Orders(%) Order	etable Limit 's Marketable Limit Orders(%)	Non-Marketa Limit Orders	able Non-Marketab Limit Orders(%	le) Other Orders	Other Orders(%)	Net Payment Paid/Received for Market Orders(US	Paid/Received for Market Orders(cents per iD) 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 Other Orders(cents per hundred shares	s s)
National Financial Services LLC(XSTM)	2,751	35.86	0	0.00	0	0.00		0.00 2,	51 97.21		0		0		0			0
Citadel Securities LLC(CDRG) Jane Street Capital.	1,774	23.13	1,687	38.61	59	34.10	19	6.35	9 0.32	1	0	0	0	0	0		0	0
LLC(INST) VIRTU Americas, LLC(NITE)	1,088	14.18 13.88	1,036	23.71 22.96	44	25.43 27.17	8	2.68 2.68	0 0.00 7 0.25		0	0	0	0	0 1		0	0
G1 Execution Services, LLC(ETMM)	574	7.48	548	12.54	19	10.98	7	2.34	0 0.00		0	0	0	0	0		0	0
Choe EDGX US Equities Exchange(EDGX)	83	1.08	0	0.00	0	0.00	83	27.76	0 0.00)	0	0	0	0	0 (0	0
New York Stock Exchange(NYSE) Two Sigma	72	0.94	0	0.00	0	0.00	72	24.08	0 0.00)	0	0	0	0	0 (0	0
Securities, LLC(SOHO) Instinet	71	0.93	68	1.56	3	1.73		0.00	0 0.00				-		0 (0
BlockCross(BLKX) NASDAO Execution	54	0.70	0	0.00	0	0.00			54 1.91		0	0	0	0	0 (. '	0	0
Services, LLC(NSDQ)	38	0.50	0	0.00	1	0.58	37	12.37	0 0.00)	0	0	0	0	0 ()	0	0
March 2022 Option Contracts																		
Summary	Xirected	Market	Orders as %	Marke	stable Limit	Non-Marketa Limit Orders		Other Orders as 5										
Total Non-Directed Orders Orders Orders 587	s as % of All s Total N	of Non- Market Orders 388	Directed Total I Limit	Marketable Order Orders Direct	s as % of Non- ted Orders Total Non-Marketable Limit Ord 3.07	Non-Directed	f Total Other Or 30.49	of Non-Directed ders Orders	34									
Venues											Net Payment		Net Payment		Net Payment			
Venue - Non- Non- Non- N	Xirected Non-Di	irected		Made	stable Limit	Non-Marketa	able Non-Marketab	le		Net Payment Paid/Received for	Paid/Received for Market Orders/cents per	Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(rents ner	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	is .
Venue - Non- Non-Di directed Order Flow Orders Citadel Securities LLC(CDRG)	xrected Non-Di s Orders 294	rected (%) Market 46.37	Orders Marks	et Orders(%) Order		Limit Orders 45.83	Limit Orders(%	Other Orders	Other Orders(%)	Market Orders(US	D) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)	per hundred shares	s) 0
Susquehanna Capital Group(SUSQ)	146	23.03	114	29.38	9	37.50		9.55	2 100.00						0			0
Dash Financial Technologies LLC(DASH)	94	14.83	58	14.95	3	12.50		15.00	0 0.00						0 (0

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0