5	&P	500	Sto	dk

	Stocks

									Non-Marketab	ile			
	Non-Directo	d		Market Orders as %		Market	ble Limit		Limit Orders a	s % of		Other Orders	25
Total Non-Directed	Orders as %	of All		of Non-Directed	Total Marketable	Orders	s % of Non-		Non-Directed			of Non-Direct	ed
Orders	Orders		Total Market Orders	Orders	Limit Orders	Directe	Orders	Total Non-Marketable Limit Orders	Orders		Total Other Orders	Orders	
15	17	100.00	193	97.97	0)	0.00		4	2.03	0		0

directed Order Flow Orde	n-Directed lers	Non-Directed Orders(%)	Market Orders	Market Orde	Marketable Limiters(%) Orders	t Marketable Limit Orders(%)	Non-Market Limit Orders			Other Orders	Net Payment Paid/Received for (%) Market Orders(U:	Net Payment Paid/Received for Market r Orders(cents per SD) hundred shares)	r 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(cent per hundred share	ts
Citadel Securities LLC(CDRG) Jane Street Capital.	-	56	30.41	66	34.20	0	0.00	0	0.00	0	0.00	0	0	0	0	0 1		0	0
LLC(INST) VIRTU Americas,			24.42	53	27.46	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	0
LLC(NITE) G1 Execution Services.	4	43	19.82	43	22.28	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	0
LLC(ETMM)		27	12.44	26	13.47	0	0.00	1	4.35	0	0.00	0	0	0	0	0		0	0
NASDAQ Execution Services, LLC(NSDQ) Choe EDGX US Equities	1	17	7.83	0	0.00	1	100.00	16	69.57	0	0.00	0	0	0	0	0		0	0
Exchange(EDGX) Two Sigma Securities.		4	1.84	0	0.00	0	0.00	4	17.39	0	0.00	0	0	0	0	0		0	0
LLC(SOHO) New York Stock		4	1.84	4	2.07	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	0
Exchange(NYSE) UBS Securities,		2	0.92	0	0.00	0	0.00	2	8.70	0	0.00	0	0	0	0	0		0	0
LLC(UBSS)		1	0.46	1	0.52	0	0.00	0	0.00	0	0.00	0	0	0	0	0 1)	0	0

Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities	Non-Directer Orders(%)	d Market Orders	s Market Order	Marketable Limi rs(%) Orders	t Marketable Limit Orders(%)	Non-N	Marketable Orders	Non-Marketabl Limit Orders(%)		Other Orders	Net Payment Paid/Received f (%) Market Orders(i	Paid/Received fo Market for Orders(cents per USD) hundred shares)	Paid/Received for	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)	
	411	38.66	404	39.34	5	71.43		2	9.09	0	0.00	0	0	0	0	0 0	0	0	a .
VIRTU Americas,																			
	210	19.76	210	20.45	0	0.00	-)	0.00	0	0.00	0	0	0	0	0 (0	0	j
Jane Street Capital,																			
	206	19.38	203	19.77	2	28.57		1	4.55	0	0.00	0	0	0	0	0 (0	0	J
G1 Execution																			
Services, LLC(ETMM)	195	18.34	195	18.99					0.00	0		0	0						
Two Sigma	195	18.54	195	18.99	0	0.00		,	0.00	0	0.00	0	0	0	0	0 (0	, ,	
Securities.																			
LLC(SOHO)	8	0.75	8	0.78	0	0.00		1	0.00	0	0.00	0	0	0	0	0 (a
Instinct																			
BlockCross(BLKX)	7	0.66	0	0.00	0	0.00)	0.00	7	100.00	0	0	0	0	0 0	0	0	٥
Choe EDGX US																			
Equities																			
Exchange(EDGX)	7	0.66	0	0.00	0	0.00		7 3	1.82	0	0.00	0	0	0	0	0 (0	0	J
NASDAO Execution																			
Services, LLC(NSDO)	7	0.66	0	0.00	0	0.00		, :	1.82	0	0.00	0	0	0	0				
UBS Securities.		0.00		0.00		0.00			1.01		0.00							,	
LLC(UBSS)	7	0.66	7	0.68	0	0.00)	0.00	0	0.00	0	0	0	0	0 (0	0 0	3
Members																			
Exchange(MEMX)	2	0.19	0	0.00	0	0.00		2	9.09	0	0.00	0	0	0	0	0 (0	0	j

	Non-Directed		Market Orders as %		Marketable Limit		Limit Orders a:	1 % of	Other Orders as %	٤
Total Non-Directed	Orders as % of A	JI .	of Non-Directed	Total Marketable	Orders as % of Non-		Non-Directed		of Non-Directed	
Orders	Orders	Total Market Order	s Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders	
		0.00	0.00		0 000		0	0.00		00

										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
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)

	Non-Directed		Market Order	s as %			Marketable Limit	
Total Non-Directed	Orders as % of A	di .	of Non-Direct	ed	Total Marketable		Orders as % of Non-	
Orders	Orders	Total Market Ord	rs Orders		Limit Orders		Directed Orders	Total Non-Marketable Limit Orders
305	100	0.00	02	99.02		0	0.00	

Non-Marketable
Limit Orders as % of Other Orders as % of Non-Directed
Orders Total Other Orders Orders
2 0.66 1 0.33

Venue - Non- Non-Directed directed Order Flow Orders	Non-Directe Orders(%)	d Market Orders	Market Order	Marketable Limit s(%) Orders	t Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketa Limit Orders(Other Orders(Net Payment Paid/Received for %) Market Orders(US	Market Orders(cents per D) hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	Non-Marketable Limit Orders(cents per hundred shares	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares)	
Citadel Securities LLC(CDRG) VIRTU Americas.	119	35.31	118	39.07	0	0.00	0	0.00	1 1	100.00	0	0	0	0	0		0	j
LLC(NITE) G1 Execution	68	20.18	68	22.52	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	j
Services, LLC(ETMM) Jane Street Capital,	60	17.80	60	19.87	0	0.00	0	0.00	0	0.00	0	0	0	0	0 1		0)
LLC(INST) New York Stock	50	14.84	50	16.56	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	j
Exchange(NYSE) Two Sigma	29	8.61	0	0.00	0	0.00	29	85.29	0	0.00	0	0	0	0	0		0	J
Securities, LLC(SOHO) Choe EDGX US	5	1.48	5	1.66	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	j
Equities Exchange(EDGX)	2	0.59	0	0.00	0	0.00	2	5.88	0	0.00	0	0	0	0	0 1		0	j
NASDAQ Execution Services, LLC(NSDQ)	2	0.59	0	0.00	0	0.00	2	5.88	0	0.00	0	0	0	0	0) 0	0
Members Exchange(MEMX)	1	0.30		0.00	0	0.00	1	2.94	0		0	0	0	0	0)
UBS Securities, LLC(UBSS)	1	0.30	1	0.33	0	0.00	0	0.00	0	0.00	0	0	0	0	0		0	j

									Non-Marketable				
	Non-Directed		Market Orders as %			Marketable Limit			Limit Orders as	% of		Other Orders a	s %
Total Non-Directed	Orders as % of Al	1	of Non-Directed	Total Marketable		Orders as % of Non-			Non-Directed			of Non-Directe	d
Orders	Orders	Total Market Order	Orders	Limit Orders		Directed Orders	Total Non-Marketable Limit Orders		Orders	1	Total Other Orders	Orders	
837	100	100 80	97 12		20	2.40		4		0.48	0		0.0

												Net Payment		Net Payment		Net Payment			
												Paid/Received for		Paid/Received for		Paid/Received for		Net Payment	
											Net Payment	Market	Paid/Received for		Paid/Received for	Non-Marketable	Net Payment	Paid/Received for	
Venue - Non-	Non-Directed	Non-Directed			Marketable Limi		Non-Market				Paid/Received for		Marketable Limit	Orders(cents per	Non-Marketable	Limit Orders(cents			
directed Order Flow	Orders	Orders(%)	Market Orders	Market Orde	s(%) Orders	Marketable Limit Orders(%)	Limit Orders	Limit Orders	(%) Other Orders	Other Orders(%) Market Orders(US	D) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	i) Other Orders(USD)	per hundred shares	1
Citadel Securities																			
LLC(CDRG)	3.	39	39.70	331	40.97	7	33.33	1	4.55	0	0.00	0	0	0	0	0	3 (J f	٥
VIRTU Americas,																			
LLC(NITE)	1	59	19.79	165	20.42	4	19.05	0	0.00	0	0.00	0	0	0	0	0	0 1	a r	0
G1 Execution																			
Services,																			
LLC(ETMM)	1	59	18.62	156	19.31	3	14.29	0	0.00	0	0.00	0	0	0	0	0	0 1	a r	0
Jane Street Capital,																			
LLC(INST)	1	45	16.98	140	17.33	5	23.81	0	0.00	0	0.00	0	0	0	0	0	0 /	0 /	0
New York Stock																			
Exchange(NYSE)		18	2.11	0	0.00	1	4.76	17	77.27	0	0.00	0	0	0	0	0	0 1	a r	0

rities, SOHO)																		
юно)	12	1.41	11	1.36		1	4.76	0	1.00	0 0.0	0	0	0	0	0	0 1	0 0	D
ecurities, BSS)	5	0.59	5	0.62		0	0.00	0	1.00	0 0.0	0	0	0	0	0	0 1	0 0	D
rt Pross(BLKX)	3	0.35	0	0.00		0	0.00	0	1.00	3 100.0	0	0	0	0	0	0 1	0 (0
ross(BLKX) DGX US																		
ge(EDGX)	3	0.35	0	0.00		0	0.00	3 1	:.64	0 0.0	0	0	0	0	0	0	0 (0
ge(MEMX)	1	0.12	0	0.00		0	0.00	1	1.55	0 0.0	0	0	0	0	0	0 1	0 (0
2																		
ontracts /																		
Non-Directed		Market	Orders as %		Marketable Limit		Non-Marke Limit Order Non-Direct	rtable rs as % of	Other Orders as 9									
on-Directed Orders as % of Orders	Total Mark	of Non- et Orders Orders	Directed To Lin	otal Marketable mit Orders	Orders as % of Non Directed Orders	Total Non-Marketable Limit Orders	Non-Direct Orders	Total Other Ord	of Non-Directed									
4 1	100.00	4	100.00	0	0.0	0	0	0.00	0 0	00								
												Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for		Net Payment
Non- Non-Directed	Non-Direct	ed.			Marketable Limit		Non-Marke	table Non-Marketable			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(cents per	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Net Payment Paid/Received Other Orders(c
Order Flow Orders ecurities	Orders(%)	Market	Orders M	larket Orders(%)	Orders	Marketable Limit Orders(%)	Limit Order		Other Orders	Other Orders(%)	Market Orders(USD) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)	per hundred sh
5)	3	75.00	3	75.00		0	0.00	0	1.00	0 0.0	0	0	0	0	0	0 1	0 (0
anna																		
ISQ)	1	25.00	1	25.00		0	0.00	0	1.00	0 0.0	0	0	0	0	0	0	0 (D
Stocks																		
							Non-Marke	rtable										
Non-Directed -Directed Orders as % of	r All		Orders as % Directed To	otal Marketable	Marketable Limit Orders as % of Non		Non-Marke Limit Order Non-Direct	rs as % of ed	Other Orders as 9 of Non-Directed									
Orders	Total Mark	ot Orders Orders 222	98.23	mit Orders	Directed Orders 0.0	Total Non-Marketable Limit Orders	Orders	Total Other Ord	rs Orders	00								
110	.00.00	***	30.23					2.77										
												Net Payment						
												Net Payment Paid/Received for Market	Net Payment	Net Payment Paid/Received for Marketable Limit	Net Payment	Net Payment Paid/Received for Non-Marketable Limit Orders(cents		Net Payment
ion- Non-Directed	Non-Direct	ed			Marketable Limit		Non-Marke	rtable Non-Marketable			Net Payment Paid/Received for	Market Orders(cents per	Net Payment Paid/Received for Marketable Limit	Orders(cents per	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Paid/Receive Other Orders
on- Non-Directed Order Flow Orders curities	Orders(%)	Market	Orders M	larket Orders(%)	Orders	Marketable Limit Orders(%)	Limit Order	rs Limit Orders(%)	Other Orders	Other Orders(%)	Market Orders(USI) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)	per hundred
	74	29.84	74	33.33		0	0.00	0	1.00	0 0.0	0	0	0	0	0	0	0 (0
M)	54	21.77	53	23.87		0	0.00	1	1.85	0 0.0		0						
et Capital,	52	20.97	50	22.52		0	0.00		1.69	0 0.0			0	-	0			-
ericas,						U						U	0	0	0	0		
Stock	44	17.74	44	19.82		0	0.00		1.00	0 0.0		0	0	0	0	0 1	0 (0
(NYSE) SX US	22	8.87	0	0.00		0	0.00	22 8	1.62	0 0.0	0	0	0	0	0	0	0 (D
e(EDGX)	1	0.40	0	0.00		0	0.00	1	1.85	0 0.0	0	0	0	0	0	0 1	0 (n
rities,)																		
	1	0.40	1	0.45		0	0.00		1.00	0 0.0		0	0	0	0	0 1	0 (
	1	0.40	1	0.45								0	0	0	0	0 (0 (
	1	0.40	1	0.45								0	0	0	0	0	0 (
22	1	0.40	1	0.45								0	0	0	0	0 1	0 (
22	1	0.40	1	0.45			0.00	0				0	0	0	0	0	0 (
22 P 500 Stocks Y Non-Directed					Marketable Limit	0	0.00 Non-Marke	O :	Other Orders as 9	0.0		0	0	0	0	0	0 (
P 500 Stocks Y Non-Directed Orders as % of	FAII Total Mark	Market of Non-	Orders as % Directed To	otal Marketable mit Orders	Marketable Limit Orders as % of Non Directed Orders	0 Total Non-Marketääle Limit Orders	Non-Marke Limit Order Non-Dress Orders	0 Intable Is as % of Bed Total Other Ord	Other Orders as 9 of Non-Directed	0 0.0		0	0	0	0	0	0 (
2 500 Stocks Non-Directed n-Directed Orders as % of	r Ali	Market of Non-	Orders as % Directed To	otal Marketable	Marketable Limit Orders as % of Non Directed Orders	0 Total Non-Marketääle Limit Orders	0.00 Non-Marke Limit Order Non-Direct	O :	Other Orders as 9	0 0.0		0	0	0	0	0 1	0 (
P 500 Stocks FY Non-Directed Orders as % of	FAII Total Mark	Market of Non-	Orders as % Directed To	otal Marketable mit Orders	Marketable Limit Orders as % of Non Directed Orders	0 Total Non-Marketääle Limit Orders	Non-Marke Limit Order Non-Dress Orders	0 Intable Is as % of Bed Total Other Ord	Other Orders as 9 of Non-Directed	0 0.0			0	0	0	0 1	0 (
P 500 Stocks Y Non-Directed Orders as % of	FAII Total Mark	Market of Non-	Orders as % Directed To	otal Marketable mit Orders	Marketable Limit Orders as % of Non Directed Orders	0 Total Non-Marketääle Limit Orders	Non-Marke Limit Order Non-Dress Orders	0 Intable Is as % of Bed Total Other Ord	Other Orders as 9 of Non-Directed	0 0.0	0	Net Payment	0 Net Payment	0 Net Payment Paid/Raceived for	0 Net Payment	Net Payment Paid/Received for		0
: Soo Stocks Non-Directed Orders as X of Orders 166 In the Control of the Contr	FAII Total Mark 100.00 Non-Direct	Market of Non-	Orders as % Directed To Lie 95.92	otal Marketable mit Orders 17	Marketable Limit Orders as % of Non Directed Orders 3.6 Marketable Limit	O Total Non-Marketable Limit Orders 5	Non-Marke Limit Order Non-Direct Orders 2	0 Intable Inta	Other Orders as 9 of Non-Directed	0 0.0	D Net Payment Paid/Received for	Net Payment Paid/Received for Market	Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Net Payment Paid Receive Other Orders
Non-Directed Non-Directed Orders as % of Orders 466 Non-Directed order for Mon-Directed order flow Orders	TAII Total Mark 100.00 Non-Direct Orders(%)	Market of Non- et Orders 447 447 ad Market	Orders as % Orected To Life 95.92 Orders M.	otal Marketable mit Orders 17 17 Jarket Orders(%)	Marketable Limit Orders as % of Non Directed Orders 3.6 Marketable Limit Orders	Total Non-Marketable Limit Orders Marketable Limit Orders(N)	Non-Marke Limit Order Non-Direct Orders 2	0 table s as % of ed O.43 Total Other Ord O.43 table Non-Marketable S table s Limit Orders N.9	Other Orders as 9 of Non-Directed of Orders 0 Orders 0	0 0.4	Not Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per 0) hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)		Net Payment Paid Received for Non-Marketie Limit Orders(USD)		Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid Receive Other Orders
Non-Directed Orders as % of Orders are fow Orders are flow Orders are flow Orders	FAII Total Mark 100.00 Non-Direct	Market of Non-	Orders as % Directed To Lie 95.92	otal Marketable mit Orders 17	Marketable Limit Orders as % of Non Directed Orders 3.6 Marketable Limit Orders	O Total Non-Marketable Limit Orders 5	Non-Marke Limit Order Non-Direct Orders 2	0 table s as % of ed O.43 Total Other Ord O.43 table Non-Marketable S table s Limit Orders N.9	Other Orders as 9 of Non-Directed	0 0.0	Not Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per 0) hundred shares)	Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for	Net Payment Paid (Receive Other Order
Non-Directed Orders as % of Orders 1 Non-Directed Orders as % of Orders 1 Non-Directed der Flow Orders nn Non-Directed der Flow Orders	Total Mark Total Mark 100.00 Non-Direct Orders(%)	Markete Marketes Market Market 34.61	Orders as % Directed To Lie 95.92 Orders M 156	uxal Marketable mit Orders 17 Larket Orders(K) 34.90	Marketable Limit Orders as % of Nono Directed Orders 3.6 Marketable Limit Orders	Total Non-Mankstahle Limit Orders Mankstahle Limit Orders(N) 5	Non-Marke Limit Orders 2 Non-Marke Limit Order 29.41	0 Intable may 50 of an at 50 of an at 50 of an at 50 of a	Other Orders as a of Non-Directed so Orders Orders Other Orders	0 0.0	Net Payment Paid/Received for Number Orders(USI	Net Payment Paid/Received for Market Orders(cents per 9) hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Receive Other Orders per hundred
00 Stocks Non-Directed Orders a % of Orders 466 n- Non-Directed der Flow Orders unities	Total Mark Total Mark Non-Girectes(%) 163	Marketes of Non- or Orders Orders 447 Market 34.61 23.78	Orders as % Directed To Lie 95.92 Orders M. 156 107	Xtal Marketable mit Orders 17 17 Nathet Orders(N) 34.90	Mandetable Limit Orders as % of Yeo Directed Orders 3.6 Marketable Limit Orders	Total Non-Markstable Limit Orders Markstable Limit Orders(N) 5	Non-Marke Limit Order Non-Direct Orders 2 Non-Marke Limit Order 29.41	o trable rran % of of of of Other Ord O.43 Assume trable Non-Markstable Limit Orders(%) 2	Other Orders so of Kon-Directed rs. Other Orders Other Orders	0 0.0	Net Payment Paiglifectord for Market Orden(USC)	Net Payment 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	Net Payment Paid/Received for Other Orders(USD) 0	Net Payment Paid/Receive Other Orders per hundred
Signature State St	Total Mark Total Mark Non-Girectell Orders(%) 163 112	Market of Non-	Orders as % Use of the control of th	Xtal Marketable 17 17 18 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Manketable Limit Orders as % of Nor Directed Orders 3.6 Manketable Limit Orders	Total Non-Municipally Limit Orders Marketable Limit Orders(N) 5 5	Non-Marke Limit Order Non-Marke Limit Order 2 Non-Marke Limit Order 29-41 29-41	o trable rs as % of ed d Total Other Ord 0.43 Total Other	Other Orders as 3 of of Non-Directed of Non-Directed of Orders of	0 0.0	Mat Pyyment Paid/Recoled for Market Orden(USE	Net Payment Paid/Received for Market Orders/cents per Onders/cents	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 shares	Net Payment Paid/Received for Other Order(USD) (Net Paymentie Paid/Receive Other Orders per hundred
00 Stocks Non Directed Orders as % of Orders 466 n. Non Directed Orders 1 n. Non Directed Orders 1 Capital, orders	Non-Oirect Orders(%) 163 112 101 85	Market of Non-	Orders as % Orders as % Use of the control of the	otal Marketable mit Orders 17 tarket Orders(N) 34-90 23-94 22-15	Manketable Limit Orders as % of Non Directed Orders 3.6 Manketable Limit Orders	Total Non-Manketable Limit Orders Manketable Limit Orders(N) 5 5 2	Non-Murker View Code of Non-Mu	0 Intelligence of the Control of the	Other Orders as a of Non-Directed of Non-Directed or Orders	Other Orders(%) Other Orders(%) O	Net Payment Paid/Received for Market Orden(USE)	Net Payment Paid/Recived for Market Orders(cents per) Jonated 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 shares	Net Payment Paid/Received for Other Orders(USO)	Net Payment Paid/Receive Other Orders per hundred 1
00 Stocks Non-Directed Orders as % of Orders 466 In-Non-Directed Orders In-Non-Directed Orders In-Non-Directed Orders In-Non-Directed Orders In-Non-Directed Orders In-Non-Directed In-N	Total Mark Total Mark Non-Girectell Orders(%) 163 112	Market of Non-	Orders as % Use of the control of th	Xtal Marketable 17 17 18 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	Manketable Limit Orders as % of Non Directed Orders 3.6 Manketable Limit Orders	Total Non-Municipally Limit Orders Marketable Limit Orders(N) 5 5	Non-Marke Limit Order Non-Marke Limit Order 2 Non-Marke Limit Order 29-41 29-41	0 Intelligence of the Control of the	Other Orders as 3 of of Non-Directed of Non-Directed of Orders of	0 0.0	Net Payment Paid/Received for Market Orden(USE)	Net Payment Paid/Recived for Market Orders(cents per) Jonated 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 shares	Net Payment Paid/Received for Other Order(USD) (Net Payment Paid/Receive Other Ordersta
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