Hightower Securities does not						HIGHTOWER SECURITIES, LLC - Held NMS												
receive payment for						Stocks and Options Order Routing Public												
order flow.	2nd Quarter, 2021					Report												
April 2021																		
S&P 500 Stocks Summary																		
							Non-Marketable											
Total Non-Directed	Non-Directed		Market Orders as % of Non-Directed	Total Marketable	Marketable Limit Orders as % of Non-		Limit Orders as % of		Other Orders as % of Non-Directed									
Orders	Orders as % of All	Total Market Orders		Limit Orders		Total Non-Marketable Limit Orders	Non-Directed Orders	Total Other Orders	Orders									
39	100.00	36	92.31	0	0.00	3	7.69	0	0.00									
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- directed Order Flow	Non-Directed	Non-Directed Orders(%)	Market 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)	Orders(cents per	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)			Other Orders(cents per hundred shares)
Citadel Securities	Orders	Orders(x)	Market Orders	indirect Gracis(70)	Orders.	marketable time orders(19)	Limit Orders	Emile Gracis(x)	Other Orders	Other Gracis(x)	inance oracis(osb)	indinared sindres;	Unders(USD)	nundred shares,	Limit Orders(OSD)	per manarea sinares;	Other Orders(OSD)	per numereu sinures;
LLC(CDRG)	19	47.50	19	52.78	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)		25.00		27.78	_						_							
LLC(NITE)	10	25.00	10	27.78	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
JANE STREET																		
CAPITAL, LLC(JNST)	6	15.00	5	13.89	0	0.00	1	25.00	0	0.00	0	0	0	0	0	0	0	0
Choe EDGX US																		
Equities Exchange(EDGX)	2	5.00	0	0.00	0	0.00	2	50.00	0	0.00	0	0	lo	l ₀	l _o	l _o	l ₀	l ₀
			1		1		1				1		1					
G1 Execution			1.		L		L				L	L	l.	l.	l.	l.	l.	[.
Services, LLC(ETMM)	1	2.50	1	2.78	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
							1							1				
NASDAQ Execution							1							1				
Services, LLC(NSDQ)	1	2.50	0	0.00	0	0.00	1	25.00	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities,				1	1					1	1		1		1			
LLC(SOHO)	1	2.50	1	2.78	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
April 2021																		
Non-S&P 500 Stocks Summary																		
Julilliary							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 256	Orders 100.00	Total Market Orders	Orders 38.67	Limit Orders	Directed Orders 15.23	Total Non-Marketable Limit Orders	Orders 12.11	Total Other Orders 87	Orders 33.98									
230	100.00	33	38.07	33	13.23	31	12.11	87	33.50									
Venues																		
												Net Payment	Net Payment	Net Payment	Net Payment	Net Payment		Net Payment
											Net Payment	Paid/Received for Market	Net Payment Paid/Received for	Paid/Received for	Net Payment Paid/Received for	Paid/Received for	Net Payment	Net Payment Paid/Received for
Venue - Non-	Non-Directed	Non-Directed			Marketable Limit		Non-Marketable	Non-Marketable			Net Payment Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow	Non-Directed Orders	Non-Directed 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)	Paid/Received for Market	Paid/Received for	Paid/Received for Marketable Limit	Paid/Received for	Paid/Received for Non-Marketable	Paid/Received for	Paid/Received for
Venue - Non- directed Order Flow Citadel Securities LLC(CDRG)	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(%)	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas,	Non-Directed Orders	Orders(%) 40.21		43.43	Marketable Limit Orders	56.41	Non-Marketable Limit Orders	Limit Orders(%) 7.27	Other Orders	49.46	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas,	Non-Directed Orders 115	Orders(%)			Marketable Limit Orders		Non-Marketable Limit Orders 4	Limit Orders(%)	Other Orders 46 36		Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas,	Non-Directed Orders 115 73	Orders(%) 40.21		43.43	Marketable Limit Orders 22	56.41	Non-Marketable Limit Orders 4	Limit Orders(%) 7.27	Other Orders 46 36	49.46	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE)	Non-Directed Orders 115 73	Orders(%) 40.21		43.43	Marketable Limit Orders 22	56.41	Non-Marketable Limit Orders 4	Limit Orders(%) 7.27	Other Orders 46 36	49.46	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution	115 73	Orders(%) 40.21		43.43	Marketable Limit Orders 22 10	56.41	Non-Marketable Limit Orders 4 0	Limit Orders(%) 7.27	Other Orders 46 36	49.46	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ)	115 73	0rders(%) 40.21 25.52		43.43	Marketable Limit Orders 22 10	56.41 25.64	Non-Marketable Limit Orders 4 0	7.27 0.00	Other Orders 46 36	49.46 38.71	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET	115 73	0rders(%) 40.21 25.52 9.44		43.43 27.27	Marketable Limit Orders 22 10	56.41 25.64	Non-Marketable Limit Orders 4 0	7.27 0.00 49.09	Other Orders 46 36	49.46 38.71 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST)	115 73	0rders(%) 40.21 25.52		43.43	Marketable Limit Orders 22 10	56.41 25.64	Non-Marketable Limit Orders 4 0	7.27 0.00	Other Orders 46 36	49.46 38.71	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JINST) Cboe EDGX US Equities	115 73	Orders(%) 40.21 25.52 9.44 8.39		43.43 27.27 0.00	Marketable Limit Orders 22 10	56.41 25.64 0.00	Non-Marketable Limit Orders 4 0	7.27 0.00 49.09	Other Orders 46 36 0	49.46 38.71 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JINST) Cboe EDGX US Equities	115 73	0rders(%) 40.21 25.52 9.44		43.43 27.27	Marketable Limit Orders 22 10	56.41 25.64	Non-Marketable Umit Orders 4 0 27	7.27 0.00 49.09	Other Orders 46 36 0	49.46 38.71 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX)	115 73	Orders(%) 40.21 25.52 9.44 8.39		43.43 27.27 0.00	Marketable Limit Orders 22 10	56.41 25.64 0.00	Non-Marketable Limit Orders 4 0 27	7.27 0.00 49.09	Other Orders 46 36 0	49.46 38.71 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LUC(INST) Choe EDGX US Equities Exchange(EDGX)	115 73	Orders(%) 40.21 25.52 9.44 8.39		43.43 27.27 0.00	Marketable Limit Orders 22 10 0	56.41 25.64 0.00	Non-Marketable Limit Orders 4 0 27 0	7.27 0.00 49.09	Other Orders 46 36 0 0	49.46 38.71 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order flow Citadel Security URTU Americas, LLC(DNE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64		43.43 27.27 0.00 22.22 0.00	Marketable Limit Orders 22 10 0	56.41 25.64 0.00 5.13	Non-Marketable Limit Orders 4 0 27 0	1.27 0.00 49.09 0.00 34.55	Other Orders 46 36 0 0	49.46 38.71 0.00 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Security LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Cobe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64		43.43 27.27 0.00 22.22	Marketable Limit Orders 22 10 0 2	56.41 25.64 0.00 5.13	Non-Marketable Limit Orders 4 0 27 0 19	7.27 0.00 49.09 0.00	Other Orders 46 36 0 0 0 6	49.46 38.71 0.00 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Security LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) ANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet BlockCross(BLKX)	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10		43.43 27.27 0.00 22.22 0.00	Marketable Limit Orders 22 10 0	56.41 25.64 0.00 5.13 0.00	Non-Marketable Limit Orders 4 0 27 0 19	1.000 Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00	Other Orders 46 36 0 0 0 0	49.46 38.71 0.00 0.00 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Security LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) ANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet BlockCross(BLKX)	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64		43.43 27.27 0.00 22.22 0.00 6.06	Marketable Limit Orders 22 10 2 0 2 0 0	56.41 25.64 0.00 5.13	Non-Marketable Limit Orders 4 0 27 0 19 0 5	1.27 0.00 49.09 0.00 34.55	Other Orders 46 36 0 0 0 0 0 0 0	49.46 38.71 0.00 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Security LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet BlockCross(BLOX) New York Stock Exchange(NYSE) Two Sigma Securities,	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.22 0.00 6.06 0.00	Marketable Limit Orders 22 10 0 2 0 0 0	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Non-Marketable Limit Orders 4 0 27 0 19 0 5	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 6	49.46 38.71 0.00 0.00 0.00 0.00 6.45 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(COMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) ANNE STREET CAPITAL, LLC(INST) Choe EDGN US Equities Exchange(EDGX) Get Execution Services, LLC(ETMM) Institute BlockCross(BLUX) New York Stock Exchange(NYSE) Exchange(NYSE) Securities, LLC(SOHO)	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10		43.43 27.27 0.00 22.22 0.00 6.06	Marketable Limit Orders 22 10 0 2 0 3 0	56.41 25.64 0.00 5.13 0.00	Non-Marketable Limit Orders 4 0 27 0 19 0 0 0	1.000 Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00	Other Orders 46 36 0 0 0 4 4 4 4 4 4 4 4 4	49.46 38.71 0.00 0.00 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order flow Citadel Securities, LLC(CDMG) VIRTU Americas, LLC(INTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JMST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet BlockCross(BLOX) New York Stock Exchange(MYSE) Two Sigma Securities, LLC(SOHO) LUSS Securities,	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.72 0.00 6.06 0.00 0.00	Marketable Limit Orders 22 10 0 2 0 1 1 1	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Non-Marketable Limit Orders 4 0 27 0 19 0 0 0	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 4 1	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order flow Citadel Securities, LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JMST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(TMM) Instinet BlockCross(BLOX) New York Stock Exchange(MYSE) Two Sigma Securities, LLC(SOHO) USBS Securities, LLC(SUSS) April 2021	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.22 0.00 6.06 0.00	Marketable Limit Orders 22 10 0 2 0 3 0	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Non-Marketable Limit Orders 4 0 27 0 19 0 0 0	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 4 4 1	49.46 38.71 0.00 0.00 0.00 0.00 6.45 0.00	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Cinded Securities, LLC(COMB) VIRTU Americas, LLC(MITE) NASDAQ Execution Services, LLC(NSDQ) IANE STREET CAPITAL LLC(INST) Choe EDGX US equities Exchange(EDGX) Fachange(EDGX) Gold Execution Sarvices, LLC(ETMM) Institut Blocktross(BLUX) New York Stock Exchange(NYSE) Two Sigma Securities, LLC(SOHO) USB Securities, LLC(SOHO)	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.72 0.00 6.06 0.00 0.00	Marketable Limit Orders 22 10 0 3 0 0 1 1 1 1	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Non-Marketable Umit Orders 4 0 27 0 19 0 0 0 0	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 4 1	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order flow Citadel Security LLC(CDMG) VIRTU Americas, LLC(INTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JMST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet BlockCross(BLOX) New York Stock Exchange(NYSE) Two Sigma Securities, LLC(SOHO) UBS Securities, LLC(SOHO) UBS Securities, LLC(UBSSS) April 2021	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.72 0.00 6.06 0.00 0.00	Marketable Limit Orders 22 10 0 2 10 1 1	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Umit Orders 4 0 27 0 19 0 0 0 5	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 4 1	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDDX US Equities Exchange(EDGX) G I Execution Services, LLC(ETMM) Instinet Block(Cross(BLKX), New York Stock Exchange(NYSE) Two Sigma Securities, LLC(SOHO) UBS SECURITIES UBS SECURITIE	115 73	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75		43.43 27.27 0.00 22.72 0.00 6.06 0.00 0.00	Marketable Limit Orders 22 10 0 2 0 1 Marketable Limit Marketable Limit	56.41 25.64 0.00 5.13 0.00 7.69 0.00	Non-Marketable Limit Orders 4 0 27 0 19 0 5 Non-Marketable Limit Orders as % of	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	Other Orders 46 36 0 0 0 4 1 Other Orders as %	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
directed Order Flow Citadel Securities LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) ANNE STREET CAPITAL LLC(INST) Choe EDGX US Equities Exchange(EDGX) Get Esecution Services, LLC(ETMM) Services, LLC(ETMM) Well Services, LLC(ETMM) Well Services, LLC(ETMM) Well Services, LLC(ETMM) USES Securities, LLC(SOHO) USES SECU	Orders 115 73 24 19 9 6 5 3 Non-Directed Orders as % of All	0.7ders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.05	0 22 2 0 0 6 0 0 0 1 1	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable	Orders 22 10 0 2 0 1 1 1 Marketable Limit Orders as % of Non-	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00	Umit Orders 4 0 27 0 19 0 0 5 0 Non-Marketable Umit Orders as % of Non-Directed	Limit Orders(%) 7,27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	46 36 0 0 0 4 1 Other Orders as % of Non-Directed	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
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directed Order flow Cinded Securities, LLC(COMB) VIRTU Americas, LLC(MITE) NASDAQ Execution Services, LLC(NSDQ) IANE STREET, CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) Go I. Secution Services, LLC(ETMM) Services, LLC(ETMM) Well Company Exchange(EDGX) Two Sigma Securities, LLC(SOHO) USS	Orders 115 73 24 19 9 6 5 3 Non-Directed Orders as % of All	0.7ders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.05	43 27 0 22 0 6 0 0 1 Market Orders as % of Non-Directed	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable	Orders 22 10 0 2 0 1 1 1 Marketable Limit Orders as % of Non-	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00	Umit Orders 4 0 27 0 19 0 0 5 0 Non-Marketable Umit Orders as % of Non-Directed	Limit Orders(%) 7,27 0.00 49.09 0.00 34.55 0.00 0.00 9.09	46 36 0 0 0 4 1 Other Orders as % of Non-Directed	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for	Paid/Received for Market Orders(cents per	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	Paid/Received for	Paid/Received for Other Orders(cents
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directed Order Flow Cinded Security LLC(COMG) VIRTU Americas, LLC(MITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) OI Execution Services, LLC(ETMM) Instinct Exchange(EDGX) New York Stock Exchange(WSG) Two Sigma LLC(SOHO) USS Securities, L	0rders 115 73 27 24 19 9 6 5 5 3 Non-Directed Orders as % of All Orders 0.000	0.746+(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.75 1.05	0 22 2 0 0 6 0 0 0 1 1 Market Orders as % of Non-Directed Orders.	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable	Orders 22 10 0 2 0 1 1 1 Marketable Limit Orders as % of Non-Directed Orders 0.00	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00	Umit Orders 4 0 27 0 19 0 0 0 Non-Marketable Limit Orders as % of Non-Directed Orders 0.00	Limit Orders(%) 7,27 0.00 49.09 0.00 34.55 0.00 0.00 9.09 0.00 Total Other Orders 0	0 0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for Market Orders(USD) 0 0 0 0 0 Net Payment	Paid Received for Market Orders(cents per hundred shares) 0 0 0 0 0 0 Net Payment Paid Received for Market	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0 0 0 Net Payment Paid/Received for Paid/Received for Marketable Limit Marketable Limit Marketable Limit Marketable Limit Marketable Limit	Paid/Received for Paid Received Tor Paid Received Tor Paid Received Tor Paid Received Tor Paid Received Tor	Paid/Received for On-Marketable Limit Orders(cents per hundred shares) O O O O O O O O O O O O O O O O O O O	Paid/Received for Other Orders(USD) 0 0 0 0 0 0 Net Payment	Paid/Received for Control of Paid/Received for P
directed Order flow Citadel Security LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(INST) Choe EDGX US Equities Exchange(EDGX) G1 Execution Services, LLC(ETMM) Instinet LC(ETMM) Instinet LC(ETMM) LOS CONTROL SERVICES LC(ETMM) LOS CONTROL LC(ETMM) LC(ET	0rders 115 73 27 24 19 9 6 5 5 3 Non-Directed Orders as % of All Orders 0.000	0.7ders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.05	0 22 2 0 0 6 0 0 0 1 1 Market Orders as % of Non-Directed Orders.	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable Limit Orders 0	Orders 22 10 0 2 1 1 Marketable Limit Orders as % of Non-Directed Order	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00	Umit Orders 4 0 27 19 0 0 19 Non-Marketable Umit Orders as % of Non-Directed Orders	Limit Orders(%) 7,27 0.00 49.09 0.00 34.55 0.00 0.00 0.00 0.00	0 0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	49.46 38.71 0.00 0.00 0.00 0.00 0.00 6.45 0.00 4.30	Paid/Received for Market Orders(USD) 0 0 0 0 0 0 0 0	Paid / Received for Market Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 Net Payment Paid / Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders/(USD) 0 0 0 0 0 0 0 Net Payment	Paid/Received for O Net Payment Paid/Received for	Paid/Received for Non-Marketable Limit Orders(USD) 0 0 0 0 0 0 0 0 0 Net Payment	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for Other Orders(USD) 0 0 0 0 0 0 Net Payment	Paid/Received for Other Order/cents per hundred shares) 0 0 0 0 0 0 0 0 0 Net Payment
directed Order flow Citadel Securities LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) ANNE STREET APATTAL LLC(INST) Cobe & EOXX US Equities Exchange(EOX) GI Execution Services, LLC(ETMM) Instinet BlockCross(BLUX) New York Stock Exchange(NYSE) Two Sigma Securities, LLC(SOHO) UBS Securities, LLC(SOHO) UBS Securities, LLC(SOHO) Trous Sigma Securities, LLC	0rders 115 73 27 24 19 9 6 5 5 3 Non-Directed Orders as % of All Orders 0.000	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.75 1.05	43 27 0 22 0 6 0 0 1 Market Orders as % of Non-Directed Orders 0.00	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable Limit Orders 0	Orders 22 10 0 2 0 3 0 1 1 1 Marketable Limit Orders as % of Non-Directed Orders Marketable Limit Orders by Marketabl	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00 2.56 2.56 2.56 Total Non-Marketable Limit Orders 0	Umit Orders d 0 27 0 19 0 0 Non-Marketable Umit Orders as / Onco-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Marketable	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 0.00 0.00 0.00 0.00 0.00	46 36 0 0 0 4 1 Other Orders as % of Non-Directed Orders 0.00	49.46 38.71 0.00 0.00 0.00 0.00 0.00 4.30 1.08	Paid/Received for Market Orders(USD) 0 0 0 0 0 Net Payment Paid/Received for	Paid / Received for Market Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 Net Payment Paid / Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders/cents per hundred shares) 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit Orders/cents per hundred shares)	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for Other Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Other Order/cents per hundred shares) 0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for Dieter Order/cents
directed Order Flow Citadel Security LLC(COMG) VIRTU Americas, LLC(MITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(MST) Choe EDGX US Equities Exchange(EDGX) Services, LLC(ETMM) Instinet Services, LLC(ETMM) Instinet Services, LLC(ETMM) Instinet Services, LLC(ETMM) USS SERVICES USS	0rders 115 73 27 24 19 9 6 5 5 3 Non-Directed Orders as % of All Orders 0.000	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.75 1.05	43 27 0 22 0 6 0 0 1 Market Orders as % of Non-Directed Orders 0.00	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable Limit Orders 0	Orders 22 10 0 2 0 3 0 1 1 1 Marketable Limit Orders as % of Non-Directed Orders Marketable Limit Orders by Marketabl	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00 2.56 2.56 2.56 Total Non-Marketable Limit Orders 0	Umit Orders d 0 27 0 19 0 0 Non-Marketable Umit Orders as / Onco-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Marketable	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 0.00 0.00 0.00 0.00 0.00	46 36 0 0 0 4 1 Other Orders as % of Non-Directed Orders 0.00	49.46 38.71 0.00 0.00 0.00 0.00 0.00 4.30 1.08	Paid/Received for Market Orders(USD) 0 0 0 0 0 Net Payment Paid/Received for	Paid / Received for Market Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 Net Payment Paid / Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders/cents per hundred shares) 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit Orders/cents per hundred shares)	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for Other Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Other Order/cents per hundred shares) 0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for Dieter Order/cents
directed Order Flow Citadel Securities LLC(CORG) WINTU Americas, LLC(MITE) NASDAQ Execution Services, LLC(NSDQ) IANNE STREET LACAPITAL, LLC(INST) LOBERT STREET LLC(INST) LOBERT STREET LLC(INST) LLC(INST	0rders 115 73 27 24 19 9 6 5 5 3 Non-Directed Orders as % of All Orders 0.000	Orders(%) 40.21 25.52 9.44 8.39 6.64 3.15 2.10 1.75 1.75 1.05	43 27 0 22 0 6 0 0 1 Market Orders as % of Non-Directed Orders 0.00	43.43 27.27 0.00 22.22 0.00 6.06 0.00 0.00 1.01 Total Marketable Limit Orders 0	Orders 22 10 0 2 0 3 0 1 1 1 Marketable Limit Orders as % of Non-Directed Orders Marketable Limit Orders by Marketabl	56.41 25.64 0.00 5.13 0.00 7.69 0.00 0.00 2.56 2.56 2.56 Total Non-Marketable Limit Orders 0	Umit Orders d 0 27 0 19 0 0 Non-Marketable Umit Orders as / Onco-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Directed Orders Non-Marketable	Limit Orders(%) 7.27 0.00 49.09 0.00 34.55 0.00 0.00 0.00 0.00 Total Other Orders 0	46 36 0 0 0 4 1 Other Orders as % of Non-Directed Orders 0.00	49.46 38.71 0.00 0.00 0.00 0.00 0.00 4.30 1.08	Paid/Received for Market Orders(USD) 0 0 0 0 0 Net Payment Paid/Received for	Paid / Received for Market Orders(cents per hundred shares) 0 0 0 0 0 0 0 0 Net Payment Paid / Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders/cents per hundred shares) 0 0 0 0 0 Net Payment Paid/Received for Marketable Limit Orders/cents per hundred shares)	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for O O O O O O O O O O O O O O O O O O O	Paid/Received for Other Orders(USD) 0 0 0 0 0 0 Net Payment Paid/Received for	Paid/Received for Other Order/cents per hundred shares) 0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for Dicker Order/cents

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Summary							Non-Marketable											
	Non-Directed		Market Orders as %		Marketable Limit		Limit Orders as % of		Other Orders as %									
Total Non-Directed			of Non-Directed	Total Marketable	Orders as % of Non-		Non-Directed		of Non-Directed									
Orders	Orders	Total Market Orders		Limit Orders		Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders									
	100.00	64	80.00	0	0.00	5	6.25	11	13.75									
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
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 LLC(CDRG)		46.91		51.56		0.00		16.67		36.36		_		_				
VIRTU Americas.	38	46.91	33	51.56	U	0.00	1	16.67	4	3b.3b	0	0	0	0	0	0	0	0
LLC(NITE)	27	33.33	20	31.25	0	0.00	0	0.00	7	63.64	0	0	0	0	0	0	0	0
JANE STREET																		
CAPITAL, LLC(JNST)	7	8.64	6	9.38	0	0.00	1	16.67	0	0.00	0	0	0	0	0	0	0	0
G1 Execution																		
Services, LLC(ETMM)	4	4.94	4	6.25	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	l ₀
,																		
NASDAQ Execution																		
Services, LLC(NSDQ)	4	4.94	0	0.00	0	0.00	4	66.67	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	1	1.23	1	1.56	0	0.00	0	0.00	0	0.00	0			0	0	0	,	0
May 2021	-		-		ľ-		-		ľ	2.00	f	-	-	-	Ť T	-		-
Non-S&P 500 Stocks																		
Summary																		\vdash
	Non Blooms				Advanture blocks		Non-Marketable		Other Orders									
Total Non-Directed	Non-Directed Orders as % of All		Market Orders as % of Non-Directed	Total Marketable	Marketable Limit Orders as % of Non-		Limit Orders as % of Non-Directed		Other Orders as % of Non-Directed									
Orders	Orders as % of All	Total Market Orders	Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders									
168	100.00	101	60.12	3	1.79	16	9.52	48	28.57									
Venues																		
																l		
												Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for	Net Payment	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
directed Order Flow		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																		
LLC(CDRG)	76	43.68	51	50.50	2	66.67	2	10.53	21	41.18	0	0	0	0	0	0	0	0
VIRTU Americas,	50	33.91	22	31.68	0	0.00		5.26	26	50.98								
LLC(NITE)	29	33.91	32	31.00	0	0.00	1	5.20	20	50.98	0	U	U	U	0	0	U	0
JANE STREET																		
CAPITAL, LLC(JNST)	13	7.47	11	10.89	1	33.33	1	5.26	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)		4.60		0.00	0	0.00		42.11	0	0.00								
Choe EDGX US	8	4.00	U	0.00	0	0.00	•	42.11	0	0.00	0	U	0	0	0	0	U	0
Equities																		
Exchange(EDGX)	7	4.02	0	0.00	0	0.00	7	36.84	0	0.00	0	0	0	0	0	0	0	0
UBS Securities,																		
LLC(UBSS)	4	2.30	3	2.97	0	0.00	0	0.00	1	1.96	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	2	1.72	0	0.00	0	0.00	0	0.00	2	5.88				0			,	
DIOCRETOSS(DEIXY)		1.72		0.00		0.00		0.00	,	5.00					ľ	ľ		<u> </u>
G1 Execution																		
Services, LLC(ETMM)	2	1.15	2	1.98	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities																		
	,	1 15	,	1 98	0	0.00	0	0.00	0	0.00		l.	l.				l.	
LLC(SOHO) May 2021	-	1.13	-	1.30	0	0.00	·	0.00		0.00			ľ	0	ľ	ľ	·	<u> </u>
Option Contracts																		
Summary																		
	l						Non-Marketable											7
Total Non-Directed	Non-Directed Orders as % of All		Market Orders as % of Non-Directed	Total Marketable	Marketable Limit Orders as % of Non-		Limit Orders as % of Non-Directed		Other Orders as % of Non-Directed									
	Orders as % of All	Total Market Orders		Limit Orders		Total Non-Marketable Limit Orders	Orders	Total Other Orders										
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00									
Venues																		\vdash
												Net Payment		Net Payment		Net Payment		
	1											Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for		Net Payment
	1										Net Payment	Market		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)
June 2021											1							
S&P 500 Stocks																		
Summary					<u> </u>		Non-Marketable			1	<u> </u>							\vdash
	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-		Non-Directed		of Non-Directed									
Orders	Orders	Total Market Orders		Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders	Orders									
43	100.00	33	76.74	1	2.33	9	20.93	0	0.00									\Box
		-			1						1				-	-		
Venues							-				1				-	-		
												Net Payment		Net Payment		Net Payment		
												Paid/Received for	Net Payment	Paid/Received for	Net Payment	Paid/Received for		Net Payment
	1										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		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)

Citadel Securities																		
LLC(CDRG)	20	25.97	14	42.42	1	100.00	5	11.63	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution																		
Services, LLC(NSDQ)	18	23.38	0	0.00	0	0.00	18	41.86	0	0.00	0	0	0	0	0	0	0	0
New York Stock																		
Exchange(NYSE)	13	16.88	0	0.00	0	0.00	13	30.23	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas,																		
LLC(NITE)	11	14.29	11	33.33	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Choe EDGX US																		
Equities																		
Exchange(EDGX)	6	7.79	0	0.00	0	0.00	6	13.95	0	0.00	0	0	0	0	0	0	0	0
JANE STREET																		
CAPITAL, LLC(JNST)	4	5.19	4	12.12	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Two Sigma																		
Securities,																		
LLC(SOHO)	2	2.60	1	3.03	0	0.00	1	2.33	0	0.00	0	0	0	0	0	0	0	0
UBS Securities,																		
LLC(UBSS)	2	2.60	2	6.06	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
G1 Execution					L	I	_		_					l.	l.	l.	l.	l.
Services, LLC(ETMM)	1	1.30	1	3.03	U	0.00	U	0.00	U	0.00	U	U	U	U	U	U	U	U
June 2021				1	 	+			-	 	+	+	-					
N can roo ca .							1		1			1	1					
Non-S&P 500 Stocks		-		1	+	+	-	-	-	1	+	+	-					
Summary				-			Non-Marketable			-		+	-					
l .																		
Total Non-Directed	Non-Directed		Market Orders as % of Non-Directed	Total Marketable	Marketable Limit Orders as % of Non-		Limit Orders as % of Non-Directed		Other Orders as % of Non-Directed			1	1					
Total Non-Directed	Orders as % of All Orders	Total Market Orders		Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Orders	Total Other Orders										
		129	56.83	c c	2.64	26	11.45	66	29.07									
Venues	100.00	129	30.63	0	2.04	20	11.45	00	29.07									
venues																		
												Net Payment		Net Payment		Net Payment		
													N-4 D		N-4 D			
											Net Payment	Paid/Received for Market	Net Payment Paid/Received for	Paid/Received for Marketable Limit	Net Payment Paid/Received for	Paid/Received for Non-Marketable	Net Payment	Net Payment Paid/Received for
., I.	Non-Directed	Non Diseased			Adamba and I allow to		Non-Marketable	Non-Marketable			Paid/Received for				Non-Marketable			
Venue - Non- directed Order Flow	Non-Directed	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit		Non-Iviarketable	Non-iviarketable			Paid/Received for	Orders(cents per	Marketable Limit	Orders(cents per	Non-warketable	Limit Orders(cents	Paid/Received for	Other Orders(cents
Claudel Convolator			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 indiffured sitates)
Citadel Securities	nc .		Market Orders		Orders		Limit Orders		Other Orders		Market Orders(USD) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	per nunureu snares)
LLC(CDRG)	96	39.51	67	51.94	Orders 3	Marketable Limit Orders(%) 50.00	Limit Orders	Limit Orders(%) 2.44	Other Orders 25	Other Orders(%) 37.31	Market Orders(USD) hundred shares) 0	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares)	Other Orders(USD)	0
VIRTU Americas,	96	39.51	67	51.94	Orders 3	50.00	Limit Orders	2.44	25	37.31	Market Orders(USD	0 hundred shares)	Orders(USD)	hundred shares)	Usb)	per hundred shares)	Other Orders(USD)	0
LLC(CDRG)	96		67		3		1 3		Other Orders 25 35		Market Orders(USD 0	0 0	Orders(USD) 0	0 0	0	per hundred shares) 0	0	0
VIRTU Americas,	96	39.51	67 41	51.94	3	50.00	Limit Orders 1 3	2.44	25	37.31	Market Orders(USD 0	0 0	Orders(USD)	0 0	0	per hundred shares) 0	0	0
VIRTU Americas, LLC(NITE)	96	39.51	67 41	51.94	3	50.00	1 3	2.44	25	37.31	Market Orders(USD 0	0 0	Orders(USD)	hundred shares) 0 0	0	per hundred shares) 0	Other Orders(USD) 0	0
ULC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution	96	39.51	67 41	51.94	3	50.00	1 3	2.44 7.32	25	37.31 52.24	Market Orders(USD	0 0	Orders(USD)	0 0	0	per hundred shares) 0	Other Orders(USD)	0
VIRTU Americas, LLC(NITE)	96	39.51	67 41	51.94	orders 3 1	50.00	1 3	2.44	25	37.31	Market Orders(USD 0 0	0 0	Orders(USD) 0 0	0 0	0 0	per hundred shares) 0 0	0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ)	96	39.51	67 41	51.94	3 1	50.00	Limit Orders 1 3	2.44 7.32	25	37.31 52.24	Market Orders(USD 0 0 0	0 0 0	Orders(USD) 0 0	o 0	0	per hundred shares) 0 0	Other Orders(USD) 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET	96	39.51 32.92 9.05	67 41	51.94 31.78	3 1	S0.00 16.67	Limit Orders 1 3	7.32 53.66	25	37.31 52.24 0.00	Market Orders(USD 0 0 0	0 0	Orders(USD) 0 0	0 0	0	per hundred shares) 0 0	Other Orders(USD) 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST)	96	39.51	67 41 0	51.94	3 1 0	50.00	Limit Orders 1 3 22	2.44 7.32	25	37.31 52.24	Market Orders(USD 0 0 0	0 0 0	0	0 0 0	0 0	per hundred shares) 0 0 0	Other Orders(USD) 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Cboe EDGK US	96	39.51 32.92 9.05	67 41 0	51.94 31.78	Orders 3 1	S0.00 16.67	Limit Orders 1 3 22	7.32 53.66	25	37.31 52.24 0.00	Market Orders(USD 0 0 0	0 0	0 Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0 0	per hundred shares) 0 0	Other Orders(USD) 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Cboe EDGX US Equities	96 80 222	39.51 32.92 9.05	67 41 0	51.94 31.78 0.00	0 0	50.00 16.67 0.00	1 3 22 2 11	2.44 7.32 53.66	25	37.31 52.24 0.00	Market Orders(USD 0 0 0	0 0 0	Orders(USD) 0 0	0 0 0	0 0	o 0 0	Other Orders(USD) O O	0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL LLC(JNST) Cboe EDGX US Equities Exchange(EDGX)	96 80 222	39.51 32.92 9.05	0 14 0	51.94 31.78	0 0 1	S0.00 16.67	1 3 22 2 11	7.32 53.66	25	37.31 52.24 0.00	Market Orders(USD 0 0 0	0 0 0	0 0 0	hundred shares) 0 0 0	0	per hundred shares) 0 0 0	0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Cobe EDGX US Equities Exchange(EDGX) UBS Securities,	96 80 222	39.51 32.92 9.05	67 41 0 14 0 4	51.94 31.78 0.00	0 Orders	50.00 16.67 0.00	Limit Orders 1 3 22 21 11 0	2.44 7.32 53.66	25	37.31 52.24 0.00	Market Orders(USD 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	0 0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL LLC(JNST) Cboe EDGX US Equities Exchange(EDGX)	96 80 222	39.51 32.92 9.05 7.00	0 14 0 4	51.94 31.78 0.00 10.85	0 Orders 3 1 0 0 0 0	50.00 16.67 0.00	Limit Orders 1 3 22 21 11 0	2.44 7.32 53.66 4.88	25	37.31 52.24 0.00 0.00	Market Orders(USD 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
LLC(CDRG) VIRTU Americas, LLC(NITE) INASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Equities Exchange(EDGX) UBS Securities, LLC(UBSS)	96 80 222	39.51 32.92 9.05 7.00	0 14 0 4	51.94 31.78 0.00 10.85	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00	Limit Orders 1 3 22 21 11 0	2.44 7.32 53.66 4.88	25	37.31 52.24 0.00 0.00	Market Orders(USD 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	0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JAINE STREET CAPITAL, LLC(JINST) Choe EDGX US Equities Exchange(EDGX) UBS Securities, LLC(JUBSS) GI Execution	96 80 222	39.51 32.92 9.05 7.00 4.53	67 41 0 14 0 4	51.94 31.78 0.00 10.85 0.00 3.10	0 Orders 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 16.67 0.00 16.67 0.00	Limit Orders 1 3 22 11 0	2.44 7.32 53.66 4.88 26.83	25	37.31 52.24 0.00 0.00 0.00	Market Orders(USD 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	D D O O O O O O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0	0
LLC(DRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL LLC(INST) LObe EDGX US Equities Eschange(EDGX) UBS Securities, LLC(USS) GI Execution GI Execution	96 80 222	39.51 32.92 9.05 7.00	0 14 0 4 1	51.94 31.78 0.00 10.85	0 Orders 3 1 0 0 1	50.00 16.67 0.00 16.67	Limit Orders 1 3 22 11 0	2.44 7.32 53.66 4.88	25	37.31 52.24 0.00 0.00	Market Orders(USD 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	D D O O O O O O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSOQ) JANE STRET CAPITAL, LLC(JINST) Clobe EDGK US Equities Exchange(EDGK) LLC(UBSS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(CTMM)	96 80 222	39.51 32.92 9.05 7.00 4.53	0 14 0 4 1	51.94 31.78 0.00 10.85 0.00 3.10	0 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	\$0.00 16.67 0.00 16.67 0.00	1 3 22 2 11 0 0	2.44 7.32 53.66 4.88 26.83	25	37.31 52.24 0.00 0.00 0.00	Market Orders(USD 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 o o o o o o o o o o o o o o o o o o	0 0 0 0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSOQ) JANE STRET CAPITAL, LLC(JINST) Clobe EDGK US Equities Exchange(EDGK) LLC(UBSS) G1 Execution Services, LLC(ETMM) Two Sigma Securities, LLC(CTMM)	96 80 222	39.51 32.92 9.05 7.00 4.53	0 14 1 2 2	51.94 31.78 0.00 10.85 0.00 3.10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 16.67 0.00 16.67 0.00	Limit Orders 1 3 22 11 0	2.44 7.32 53.66 4.88 26.83	25	37.31 52.24 0.00 0.00 0.00	Market Orders(USD 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	Dimit Orders(USD)	per hundred shares) 0 0 0 0 0 0 0 0	Other Orders(USD) 0 0 0 0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL LLC(JNST) Close EDGX US Equities Exchange(EDGX) UBS Securities, LLC(JUBSS) GI Execution Services, LLC(ETMM) Two Sigma	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12	0 14 0 4 1 1 2 2	51.94 31.78 0.00 10.85 0.00 3.10	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00	Lumit Orders 1 3 22 11 0 1	2.44 7.32 53.66 4.88 26.83 0.00	25	37.31 52.24 0.00 0.00 0.00 8.96	Market Orders(USD 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	o o o o o o o o o o o o o o o o o o o	0 0 0 0 0 0 0 0 0 0 0 0 0	0
LLC(CDRG) "VIRTU Americas, LLC(NTE) I NASDAQ Execution Services, LLC(NSOQ) JANE STRET CAPITAL, LLC(JINST). Clobe EDGX US Equities Exchange(EDGX) LLC(SUBSS) GI Execution Services, LLC(TMM) Two Sigma Securities, LLC(SDMO)	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 0 4 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 0	2.44 7.32 53.66 4.88 26.83 0.00	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00	Market Orders(USD 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	per hundred shares) 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 0 0 0 0 0 0 0 0 0 0 0 0
LLC(CDRG) VIRTU Americas, LLC(NTE) NASDAQ Execution Services, LLC(NSDQ) JANE STREET CAPITAL, LLC(JNST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(UBSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SDMO)	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12	0 14 0 4 1 1 2 0 0	51.94 31.78 0.00 10.85 0.00 3.10	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 1	2.44 7.32 53.66 4.88 26.83 0.00	25	37.31 52.24 0.00 0.00 0.00 8.96	Market Orders(USD 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	Orders(USD) 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 o o o o o o o o o o o o o o o o o o	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
LLC(CDRG) VIRTU Americas, LLC(VITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREE, LLC(NSDQ) JANE STREE, LLC(NSDQ) LAPITAL, LLC(NST) Choe EDOX US Equities LLC(DRSD) Color Execution Services, LLC(EMM) Two Sigma Securities, LLC(SDHQ) Instinet LLC(SDHQ) Instinet	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 1 1	2.44 7.32 53.66 4.88 26.83 0.00	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00	Market Orders(USD 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	Orders(USD) 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	per hundred shares) 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LLC(CMRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGK US Equities Exchange(EDGK) USS Securities, LLC(UBSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) Instance BlockCross(BLUC) BlockCross(BLUC) New York Stock	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 0 4 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	Lumit Orders 1 3 22 11 0 1	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	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) 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
LLC(CMRG) WIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(UBSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) Instance Blockross(BLUX) New York Stock Exchange(MYSE) LNew York Stock Exchange(MYSE) LNew 2015 LN	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 0 4 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 1 1	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(VITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREE, LLC(NSDQ) JANE STREE, LLC(NSDQ) LAPITAL, LLC(NST) Choe EDGX US Equities Exchange(EDGX) LLC(USDS) GO E Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SDHQ) Instinet LC(SDHQ) New York Stock Exchange(MYSE) June 2021 Option Contracts	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 0 4 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 1	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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 o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CMRG) WIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(UBSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOHO) Instance Blockross(BLUX) New York Stock Exchange(MYSE) LNew York Stock Exchange(MYSE) LNew 2015 LN	96 80 222	39.51 32.92 9.05 7.00 4.53 4.12 1.23	0 14 0 4 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	Limit Orders 1 3 22 11 0 1 Non-Marketable	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	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) 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
LLC(CDRG) VIRTU Americas, LLC(VITE) NASDAQ Execution Services, LLC(NSDQ) JANE STREE, LLC(NSDQ) JANE STREE, LLC(NSDQ) LAPITAL, LLC(JNST) Choe EDGX US Equities Exchange(EDGX) LLC(JNSD) Exchange(EDGX) LLC(JNSD) Services, LLC(ETMM) Two Sigma Securities, LLC(SDHQ) Instinet LLC(SDHQ) Instinet Exchange(MYSE) June 2021 Option Contracts Summary	96 80 22 117 111 110 3 3	39.51 32.92 9.05 7.00 4.53 4.12 1.23	67 41 0 14 0 4 1 2 0 0	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	0 0 1 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 11 0 0 1	2.44 7.32 53.66 4.88 26.83 0.00 2.44	0 0 0 0 6 0 1	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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 o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STRET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USB Securities, LLC(JUSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SONO) Instinct BlockCross(BLXX) New York Stock Exchange(MYSE) June 2021 Option Contracts Summary	22 22 11 1 2 Non-Directed	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	o 14 0 4 1 2 0 Market Orders as % of Non-Directed	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55	Orders 3 1 0 0 1 0 0 Marketable Limit Orders as % of Non-	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	1 3 22 2 2 11 0 0 1 1 0 0 0 1 1	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDMG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) JAME STREET JANE STREET JAN	96 80 80 17 17 11 11 10 10 11 11 11 11 11 11 11 11 11	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	67 41 0 14 0 4 1 2 0 0 Market Orders as % of Non-Directed	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	3 1 0 1 0 0 0 0 Marketable Limit Orders as % of Non-	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 11 0 1 Non-Marketable Limit Orders as yo	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 1 0 Other Orders as % of Non-Directed	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USB Securities, LLC(USSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Instinct BlockCross(BUXX) New York Stock Exchange(NYSE) June 2021 Option Contracts Summary Total Non-Directed Orders	22 22 11 1 2 Non-Directed	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	67 41 0 14 0 4 1 2 0 0 Market Orders as % of Non-Directed	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	3 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44	25 35 0 0 0 6 1 0 Other Orders as % of Non-Directed	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USB Securities, LLC(USSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Instinct BlockCross(BUXX) New York Stock Exchange(NYSE) June 2021 Option Contracts Summary Total Non-Directed Orders	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 11 0 1 Non-Marketable Limit Orders as yo	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(SUSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Institute BlockCross(BLXX) New York Stock Exchange(MYSE) June 2021 Option Contracts Summary Total Non-Directed Orders 0	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USB Securities, LLC(USSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Instinct BlockCross(BUXX) New York Stock Exchange(NYSE) June 2021 Option Contracts Summary Total Non-Directed Orders	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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	Orders(USD) 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	o o o o o o o o o o o o o o o o o o o	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(SUSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Institute BlockCross(BLXX) New York Stock Exchange(MYSE) June 2021 Option Contracts Summary Total Non-Directed Orders 0	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(SUSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Institute BlockCross(BLXX) New York Stock Exchange(MYSE) June 2021 Option Contracts Summary Total Non-Directed Orders 0	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	Market Orders(USD 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 Net Payment Paid/Received for	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	Other Orders(USD) 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
LLC(CDRG) VIRTU Americas, LLC(NITE) NASDAQ Execution Services, LLC(NSOQ) JANE STREET CAPITAL, LLC(JINST) Clobe EDGX US Equities Exchange(EDGX) USS Securities, LLC(SUSS) GI Execution Services, LLC(ETMM) Two Sigma Securities, LLC(SOMO) Institute BlockCross(BLXX) New York Stock Exchange(MYSE) June 2021 Option Contracts Summary Total Non-Directed Orders 0	22 22 11 10 3 2 1 1 Non-Directed Orders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 Marketable Limit Orders as % of Non-Directed Order	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 2 11 0 1 Non-Marketable Limit Orders as % of Non-Directed Orders	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	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 Net Payment Pald/Received for	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 Net Payment Paid/Received for	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 Net Payment Paid/Received for	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
LLC(CDRG) VIRTU Americas, LLC(INTE) NASDAQ Execution Services, LLC(INSOQ) JANE STREET CAPITAL, LLC(INST) Clobe EDGX US Equities Exchange(EDGX) LLC(INSO) GI Execution Services, LLC(INSO) Two Sigma Services, LLC(INSO) Services, LLC(INSO) New York Stock Exchange(INSO) New York Stock Securities, LLC(INSO) N	22 17 11 10 3 2 1 1 1 1 Non-Directed dorders as % of All Orders	39.51 32.92 9.05 7.00 4.53 4.12 1.23 0.82 0.41 0.41 Total Market Orders 0	0 14 0 4 1 1 2 0 Market Orders as % of Non-Directed Orders	51.94 31.78 0.00 10.85 0.00 3.10 0.78 1.55 0.00 0.00	0 1 0 0 1 0 0 0 Morketable Limit Orders as 5: of Non- Directed Orders 0.00	\$0.00 16.67 0.00 16.67 0.00 0.00 16.67 0.00 0.00	22 2 11 0 1 Non-Marketable Umit Orders as % of Orders Orders 0.00	2.44 7.32 53.66 4.88 26.83 0.00 2.44 0.00 0.00 2.44 Total Other Orders 0	25 35 0 0 0 6 0 1 Other Orders as % of Non-Directed Orders	37.31 52.24 0.00 0.00 0.00 8.96 0.00 0.00	0	0 0 0 0 0 0 0 0 0 Net Payment Pald Received for Market	0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for	0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for	0 0 0 0 0 0 0 0 0 Net Payment Paid/Received for	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O
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