July 2020 S&P 500 Stocks																		
S&P 500 Stocks																		
Summary						Non-Marketable												
Non-Directed Total Non-Directed Orders as % or	fAll	Market Orders a of Non-Directed		Marketable Limit Orders as % of Nor		Limit Orders as % Non-Directed	of	Other Orders as 9 of Non-Directed	к.									
Orders Orders	Total Market 100.00	Orders Orders	Limit Orders	Directed Orders 2 0.5	Total Non-Marketable Limit Orders	Orders	Total Other On	lers Orders	.99									
	100.00	290 7.	3.60	2 0.5	51	39 9	.30	63 13	.99									
Venues																		
											Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for		Net Payment	
	Non-Director			Marketable Limit		Non-Marketable	Non-Marketahi			Net Payment Paid/Received for	Market	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	Paid/Received for Other Orders(cents	
Venue - Non- Non-Directed directed Order Flow Orders	Orders(%)	Market Orders	Market Orders(%		Marketable Limit Orders(%)	Limit Orders	Limit Orders(%	e Other Orders	Other Orders(%)	Market Orders(US)		Orders(USD)	hundred shares)	Limit Orders(USD)			per hundred shares)	
Citadel Securities LLC(CDRG)	186	32.29	138 53	28	2 1	.00.00	10	14.08	36 14	75	0		0	0) (0	
National Financial																		
Services LLC(XSTM)	177	30.73	0 0	.00	0	0.00	0	0.00	177 72	54	0	0	0	0) () (0	
VIRTU Americas LLC(NITE)	111	19.27	85 32	.82	0	0.00	1	1.41	25 10.	25	0	0	0	0) () (
NASDAQ Execution Services, LLC(NSDQ)	22			00	0	0.00	22	15 40	0 0.								0	
Choe EDGX US	33	5.73	0 0	.00	0	0.00	33	16.48	0 0.	00	0	0	D .		, ,	, ,	, ,	
Equities Exchange(EDGX)	14	2.43	0 0	.00	0	0.00	14	19.72	0 0.	00	0	0	0	0) () (0	
G1 Execution Services,																		
LLC(ETMM)	12	2.08	12 4	.63	0	0.00	0	0.00	0 0.	00	0	0	0	0) () (0	
New York Stock Exchange(NYSE)	10	1.74	0 0	.00	0	0.00	10	14.08	0 0.	00	0	0	0	0) () (0	
Two Sigma Securities,																		
LLC(SOHO)	10	1.74	8 3	.09	0	0.00	0	0.00	2 0.	82	0	0	0	0) () (0	
JANE STREET																		
CAPITAL, LLC(INST) UBS Securities,	9	1.56			0	0.00		0.00		00	0	0	D.		, ,) (
LLC(UBSS)	8	1.39	7 2	.70	0	0.00	1	1.41	0 0.	00	0	0	0	0) () (0	
1.1.2020																		
July 2020																		
Non-S&P 500 Stocks																		
Summary						Non-Marketable												
Non-Directed		Market Orders a		Marketable Limit		Limit Order or M	of	Other Orders as	к									
Total Non-Directed Orders as % or Orders Orders	Total Market	of Non-Directed Orders Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Non-Directed Orders	Total Other On	of Non-Directed lers Orders										
993	100.00	876 8	8.22	8 0.1	81	53 5.	.34	56 5	.64									
Venues																		
											Net Payment		Net Payment		Net Payment			
										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	
Venue - Non- Non-Directed directed Order Flow Orders	Non-Directed	4		Marketable Limit		Non-Marketable	Non-Marketabl			Paid/Received for	Orders(cents per	Marketable Limit	Orders(cents per	Non-Marketable	Limit Orders(cents	Paid/Received for	Other Orders(cents	
Citadel Securities	Orders(%)	Market Orders	Market Orders(%		Marketable Limit Orders(%)	Limit Orders	Limit Orders(%		Other Orders(%)	Market Orders(USI	D) hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	per hundred shares	Other Orders(USD)	per hundred shares)	
LLC(CDRG)	506	33.42	437 51	.72	3	42.86	20	16.67	46 8.	49	0	0	0	0) () (0	
National Financial					0		0		472 87		_	_	_	_			0	
Services LLC(XSTM) VIRTU Americas	472	31.18				0.00					0	0		0	, ,	, ,		
LLC(NITE) Two Sigma	328	21.66	310 36	.69	2	28.57	9	7.50	7 1	29	0	0	0	0) () (0	
Two Sigma Securities, LLC(SOHO)	33	2.18	30 3	.55	1	14.29	0	0.00	2 0			0	n	0) (0	
	33	2.18	30 3	.55	1	14.29	0	0.00	2 0.	37	0	0	D .		, ,	, ,	, ,	
JANE STREET CAPITAL, LLC(JINST)	32	2.11	31 3	.67	1	14.29	0	0.00	0 0	00	0	0	0	0) () (
NASDAQ Execution																		
NASDAQ Execution Services, LLC(NSDQ) Choe EDGX US	32	2.11	1 0	12	0	0.00	31	15.83	0 0.	00	0	0	0	0			0	
Services, LLC(NSDQ) Choe EDGX US Equities													-	0				
Services, LLC(NSDQ) Choe EDGX US Equities Exchange (EDGX) Now York Stock	28	1.85	0 0	.00	0	0.00	28	13.33	0 0.	00			0	0			0 0	
Services, LLC(NSDQ) Choe EDGX US Equities Exchange (EDGX) New York Stock Exchange (NYSE) G1 Execution			0 0			0.00	28			00			-	0) (o (
Services, LLC(NSDQ) Choe EDGX US Equities Exchange (EDGX) New York Stock Exchange (NYSE) G1 Execution Services.	28 27	1.85	0 0	.00	0	0.00	28 :	13.33	0 0.	00	0	0	0	0) () (0 0	
Services, LLC(NSDQ) Choe EDOX US Equities Exchange(EDGX) New York Stock Exchange(NYSE) G1 Execution Services, LLC(ETMM) Instinct	28 27 26	1.85 1.78 1.72	0 0 0 0 0 26 3	.00	0	0.00	28 27 0	13.33 12.50 0.00	0 0.0	00	0	0	-	0 1) (0 0	
Services, LLC(NSDQ) Choe EDGX US Equities Exchange (EDGX) New York Stock Exchange (NYSE) G1 Execution Services, LLC(ETMM)	28 27	1.85	0 0 0 0 0 26 3	.00	0	0.00	28 27 0	13.33 12.50 0.00	0 0.	00	0	0	0	0) () (0 0	
Services, LLC(NSDQ) Choe EDOX US Equities Exchange(EDOX) New York Stock Exchange(NYST) G. Excession LLC(ETMM) Instinct BlockCross(BLKX)	28 27 26	1.85 1.78 1.72	0 0 0 0 0 26 3	.00	0	0.00	28 27 0	13.33 12.50 0.00	0 0.0	00	0	0	0	0) () (0 0	
Service, LC(NSDQ) Choe EDGX US Equities Exchange(EDGX) New York Stock Exchange(PYS) O I Excusion SERVICE SERVI	28 27 26	1.85 1.78 1.72	0 0 0 0 0 26 3	.00	0	0.00	28 27 0	13.33 12.50 0.00	0 0.0	00	0	0	0	0) () (0 0	
Services, LLC(NSDQ) Choe EDOX US Equities Exchange(EDOX) New York Stock Exchange(NYST) G. Excession LLC(ETMM) Instinct BlockCross(BLKX)	28 27 26	1.85 1.78 1.72	0 0 0 0 0 26 3	.00	0	0.00 0.00 0.00 0.00	28 27 0	13.33 12.50 0.00	0 0.0	00	0	0	0	0) () (0 0	
Service, LC(NSOQ) Choe EDGX US Equities (Equities (Equities) New York Stock Exchange(NYSS) G1 Execution Services, LL(ETMM) Instinet BlockTons(BLOX) July 2020 Option Contracts Summary	28 27 26	1.85 1.78 1.72 0.92	0 0 0 0 26 3 0 0 0	.00 .08 .08 Marketable Limit	0	0.00 0.00 0.00 0.00	28 : 27 : 0	13.33 12.50 0.00	0 0 0 0 0 0 14 2	00	0	0	0	0) () (0 0	
Service, LL(DISDG) Ches ESSAUS Exchange(EDSG) Exchange(EDSG) Exchange(EDSG) Exchange(EDSG) Exchange(FVSE) Exchange(FVSE) Exchange(FVSE) Exchange(FVSE) Exchange(FVSE) Exchange(FVSE) Exchange(FVSE) Exchange(EDSG) Excha	28 27 26 14	1.85 1.78 1.72 0.92 Market Orders and Non-Directed	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 Marketable Limit	0	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as %	28 : 27 : 0 0 0	22.50 0.00 Other Orders as of Non-Directed	0 0 0 0 0 0 14 2	00	0	0	0	0) () (0 0	
Services, LLC(SMDC) Chapt ESSA VI Chapt ESSA VI Chapt ESSA VI Exchange EDSA VI Exchange Non-Directed Summary Non-Directed Summary Non-Directed Coders as No Order Order	28 27 26 14	1.85 1.78 1.72 0.92 Market Orders and Non-Directed Orders Orders or Orders	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 Marketable Limit	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as 16	28 :	23.33 0.00 Other Orders as 10 October Orders are 10 October Orders	0 0 0 0 0 0 14 2	00	0	0	0	0) () (0 0	
Services, LLC(SMDC) Chapt ESSA VI Chapt ESSA VI Chapt ESSA VI Exchange EDSA VI Exchange Non-Directed Summary Non-Directed Summary Non-Directed Coders as No Order Order	28 27 26 14	1.85 1.78 1.72 0.92 Market Orders and Non-Directed Orders Orders or Orders	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 .00 Marketable Limit Orders as % of No	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as % Non-Oirected Orders	28 :	23.33 0.00 Other Orders as 10 October Orders are 10 October Orders	0 0 0 0 0 0 14 2	00	0	0	0	0) () (0 0	
Services, LLC(1950) Figures 1 Facilities F	28 27 26 14	1.85 1.78 1.72 0.92 Market Orders and Non-Directed Orders Orders or Orders	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 .00 Marketable Limit Orders as % of No	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as % Non-Oirected Orders	28 :	23.33 0.00 Other Orders as 10 October Orders are 10 October Orders	0 0 0 0 0 0 14 2	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 0 0 0 0 0 0 0 0 0 0 0 0	0) (0 0	
Services, LLC(1950) Figures 1 Facilities F	28 27 26 14	1.85 1.78 1.72 0.92 Market Orders and Non-Directed Orders Orders or Orders	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 .00 Marketable Limit Orders as % of No	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as % Non-Oirected Orders	28 :	23.33 0.00 Other Orders as 10 October Orders are 10 October Orders	0 0 0 0 0 0 14 2	000 000 000 588	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	D D D D D D D D D D D D D D D D D D D	O I O I O I O I O I O I O I O I O I O I	Net Payment.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Services, LLC(1980) Fragilities Fragilitie	28 27 26 14 14 Total Market	1.85 1.78 1.72 0.92 0.92 Market Orders of Non-Directed Orders Orders 4.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.00 .08 .08 .00 .08 .00 .00 .08 .00 .00	O O O O O Stock Non-Marketable Limit Orders	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as 1c Non-Directed Orders 56 38	28 :: 27 :: 0 0 0 Total Other On. 52	Other Orders at a Orders Are Orders at a Orders Are Orders Are Orders Are Orders Are Are Orders Are	0 0 0 0 0 0 0 114 2 2 K	000 000 000 58 Net Payment Paid/Received for	Net Payment Paid(Received for Market Market	O O O O O O O O O O O O O O O O O O O	Met Pyyment Paid/Received for Marketable Limit Orders/cents gam	O O O O O O O O O O O O O O O O O O O	Net Pyymeet Net Pymeet Non-Marketable Limit described for Non-Marketable) () () () () () () () () () (Net Payment Pad/facehed for Other Orders(cents)	
Services, LLC(1980) Figure 1 (1980) Figure 2 (1980) Fi	28 27 26 14 FAII Total Market 100.00 Non-Director(ik)	1.85 1.78 1.72 0.92 Market Orders or descriptions of Mon Directed Orders 4.1	0 0 0 26 3 3 0 0 0 14 St. Total Marketable United Orders Market Orders(K)	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 7 Colai Non-Marinetaldo Limit Orders 66 Marinetaldo Limit Orders 100 Marinetaldo Limit Orders 100 Marinetaldo Limit Orders 100	0.00 0.00 0.00 Non-Marketable Limit Orders as 5 Godes S	28 : 27 27 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders at a Color of Col	0 0 0 0 0 0 0 0 14 2 2 KK	DO D	Net Payment Paid(Received for Market Market	O O O O O O O O O O O O O O O O O O O	Net Psyment Paigliferceived for Paigliferceived for Networks Information Info	Net Pygneset Paid Perceived for New Auditorials Limit Ordera(USD)	Net Payment Paiglifection of the United States of t	Net Pypnent Net Pypnent Other Orders(USD)	Net Psymetet Paiglineceived for	
Services, LLC(1900) (regulates to the control of th	28 27 26 14 14 Total Market	1.85 1.78 1.72 0.92 0.92 Matrice Orders of Non-Directed Orders Orders 4.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 7 Colai Non-Marinetaldo Limit Orders 66 Marinetaldo Limit Orders 100 Marinetaldo Limit Orders 100 Marinetaldo Limit Orders 100	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as 1c Non-Directed Orders 56 38	28 : 27 27 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders at a Orders Are Orders at a Orders Are Orders Are Orders Are Orders Are Are Orders Are	0 0 0 0 0 0 0 114 2 2 K	DO D	Net Payment Paid(Received for Market Market	O O O O O O O O O O O O O O O O O O O	Net Psyment Paigliferceived for Paigliferceived for Networks Information Info	O O O O O O O O O O O O O O O O O O O	Net Payment Paiglifection of the United States of t) () () () () () () () () () (Net Psymetet Paiglineceived for	
Services, LLC(1980) Figure 1	28 27 26 14 Total Market 100.00 Non-Directed Orders(N) 72	1.85 1.78 1.72 0.92 Market Orders 1 Bas Orders 1 All Market Orders 40.32	0 0 0 26 3 3 0 0 0 145 % Total Marketable Limit Orders 30 Market Order(%) 36 50	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 Total Non-Markstable Limit Orders Markstable Limit Orders 4	0.00 0.00 0.00 0.00 0.00 0.00 Issue a Value a	28 : 27 : 27 : 27 : 27 : 27 : 27 : 27 :	Other Orders at a Control of Cont	0 0 0 0 0 0 0 14 2 2 50 00 00 00 00 00 00 00 00 00 00 00 00	Sea Payment. Net Payment. Net Corden(US)	Net Payment Paid(Received for Market Market	O O O O O O O O O O O O O O O O O O O	Met Payment Paid(Received for Marketable Limit Coffers/cents gen hundred shares)	Nat Payment Paid Payment Paid Payment Paid Payment District Distri	Net Payment Paiglifection of the United States of t	Net Payment PaidReceived for Other Orders(USD)	Net Tryment Net Tr	
Services, LLC(1900) Facilities Exchange(1000) Facilities Exchange(1000) Facilities Exchange(1000) Facilities F	28 27 26 14 FAII Total Market 100.00 Non-Director(ik)	1.85 1.78 1.72 0.92 Market Orders 1 Bas Orders 1 All Market Orders 40.32	0 0 0 26 3 3 0 0 0 14 St. Total Marketable United Orders Market Orders(K)	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 Total Non-Markstable Limit Orders Markstable Limit Orders 4	0.00 0.00 0.00 Non-Marketable Limit Orders as 5 Godes S	28 : 27 : 27 : 27 : 27 : 27 : 27 : 27 :	Other Orders at a Color of Col	0 0 0 0 0 0 0 0 14 2 2 KK	55 SS S	Net Payment Paid(Received for Market Market	O O O O O O O O O O O O O O O O O O O	Met Payment Paid(Received for Marketable Limit Coffers/cents gen hundred shares)	Net Pygneset Paid Perceived for New Auditorials Limit Ordera(USD)	Net Payment Paiglifection of the United States of t	Net Pypnent Net Pypnent Other Orders(USD)	Net Tryment Net Tr	
Services, LLC(1900) (Equilies Services	28 27 26 14 FAII Total Market 1000.00 Non-Director Orders(N) 72	1.55 1.78 1.72 0.92 Market Orders order order order 4 Market Orders 1.507	0 0 0 26 3 3 0 0 0 145% Third Market Delivers 2022 Market Orders (15%) 36 50 17 23	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Mon-Markstable Limit Orders as Vs Not-Orders of St Not-Order of St Not-Orde	28 : 27 : 0 0 0 0 0 Total Other On 6.62 Non-Mariatzibi Limit Orders(N. 30 30 3 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5	Other Orders at or New Orders Control of New Orders at or New Orders at Other Orders at 2 Cother Orders 2 Cother Orders 2 Cother Cothers 2 Cother School of New Orders 2 Cother School of New Orders 2 Cother	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sea Payment Payment Paid Received for Market Ordern(US)	Net Payment Paid(Received for Market Market	Net Payment Net Payment Print (Precious) Orders (USO)	Mat Payment Padd Received for Marketable (United States)	Nat Payment Paid Payment Paid Payment Paid Payment District Distri	Net Payment Paiglifection of the United States of t	Net Peyment PadyReached for Other Orders(USD)	Net Payment Padilylective for Pathlylective for part handred shares 0	
Services, LLC(1900) Facilities (Facilities Services) Facilities (F	28 27 26 14 Total Market 100.00 Non-Directed Orders(N) 72	1.85 1.78 1.72 0.92 Market Orders 1 Bas Orders 1 All Market Orders 40.32	0 0 0 26 3 3 0 0 0 145% Third Market Delivers 2022 Market Orders (15%) 36 50 17 23	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Mon-Markstable Limit Orders as Vs Not-Orders of St Not-Order of St Not-Orde	28 : 27 : 0 0 0 0 0 Total Other On 6.62 Non-Mariatzibi Limit Orders(N. 30 30 3 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5	Other Orders at a Control of Cont	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	55 SS S	Net Payment. Paid Received for Market Orders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per	Net Payment Net Payment Print (Precious) Orders (USO)	Met Payment Paid(Received for Marketable Limit Coffers/cents gen hundred shares)	Nat Payment Paid Payment Paid Payment Paid Payment District Distri	Net Payment PaidPrescived for Non-Marketable Unit Order(cents)	Net Peyment PadyReached for Other Orders(USD)	Net Tryment Net Tr	
Services, LLC(1900) George Contracts Exchange (DOX) For Services, LLC((TMM) John 2020 Option Contracts Summary Non-Directed Orders as No-Orders LLC((CMM) Venue - Non- Gringt (Stummary Capital Scoutines Capital Scoutines Capital Scoutines LLC((CMM) Capital Scoutines Capital Scoutin	28 27 26 14 Total Market 100.00 Nos-Directed Orders(%) 72 22	1.85 1.78 1.72 0.92 Market Orders order Market Orders 1.71 Market Orders 1.72 Market Orders 1.72 Market Orders 1.72 1.72 1.73 1.74 1.75 1.75 1.75 1.75 1.75 1.75 1.75 1.75	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Minon-Marketable Unith Orders as 16 minor Marketable See See See See See See See See See Se	28 : 27 : 0 0 0 0 i of Total Other On Mon-Makeshali Umit Orderstyl, 13 30 3 3 3 3 3 14	Other Orders at 1 other Orders 2 other Orders 2 other Orders 3 other Orders 4 other 2 other 2.2.6.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Payment. Paid faceled for Critical States of Cr	Net Payment. Paid Received for Market Orders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per Olders/cores per	Net Payment Net Payment Print (Precious) Orders (USO)	Mat Payment Padd Received for Marketable (United States)	Net Payment Net P	Net Payment PaidPrescived for Non-Marketable Unit Order(cents)	Net Pymeet PaidRecived for Other Orders(USD)	Net Reposite Net Reposite Other Order (cents per hundred blures)	
Services, LLC(1980) Forgalisa (Fapilita) Fapilita (Fapilita) Fapilita (Fapilita) Fapilita (Fapilita) G Escondin Services, Hard (Fapilita) Fapilita	28 27 26 14 FAII Total Market 1000.00 Non-Director Orders(N) 72	1.55 1.78 1.72 0.92 Market Orders order order order 4 Market Orders 1.507	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Mon-Markstable Limit Orders as Vs Not-Orders of St Not-Order of St Not-Orde	28 : 27 : 0 0 0 0 i of Total Other On Mon-Makeshali Umit Orderstyl, 13 30 3 3 3 3 3 14	Other Orders at or New Orders Control of New Orders at or New Orders at Other Orders at 2 Cother Orders 2 Cother Orders 2 Cother Cothers 2 Cother School of New Orders 2 Cother School of New Orders 2 Cother	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Payment. Paid faceled for Critical States of Cr	Net Payment. Paid Received for Market Orders/conts per Oliminate shares)	Net Payment Net Payment Print (Precious) Orders (USO)	Mat Payment Padd Received for Marketable (United States)	Net Payment Net P	Net Payment PaidPrescived for Non-Marketable Unit Order(cents)	Net Peyment PadyReached for Other Orders(USD)	Net Reposite Net Reposite Other Order (cents per hundred blures)	
Services, LLC(1900) George Control of Contr	28 27 26 14 Total Market 100.00 Nos-Directed Orders(%) 72 22	1.85 1.78 1.72 0.92 Market Orders or order orders 4.00 Market Orders 4.00 Market Orders 1.00 Market Or	0 0 0 26 3 0 0 0 0 27 Total Medical Solidor 10 10 10 10 10 10 10 10 10 10 10 10 10 1	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 Mon-Markstable Limit Orders as 16 and orders 16 38 Mon-Markstable Limit Orders 14.29 7.14	28 : 227 : 0 0 0 0 Total Other On .62 Marketable Market	Other Orders at 1 Other Orders 2 Other Orders 3 Other Orders 4 Other Orders 2 Other Orders 4 Other Orders 2 Other Orders 4 Other Orders 2 Other Orders 2 Other Orders 2 Other Orders 3 Oth	0 0 0 0 0 0 14 2 2 K C 2.76 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nat Payment Paul files over the Market Ordering US	Net Payment. Paid Received for Market Orders/conts per Oliminate shares)	Net Payment Net Payment Print (Precious) Orders (USO)	Mat Payment Padd Received for Marketable (United States)	Net Payment Net P	Net Payment PaidPrescived for Non-Marketable Unit Order(cents)	Net Pymeet PaidRecived for Other Orders(USD)	Net Reposite Net Reposite Other Order (cents per hundred blures)	
Services, LLC(1900) Forgotiss Fapilities Fap	28 27 26 14 Total Market 100.00 Nos-Directed Orders(%) 72 22	1.85 1.78 1.72 0.92 Market Orders order Market Orders 1.71 Market Orders 1.72 Market Orders 1.72 Market Orders 1.72 1.72 1.73 1.74 1.75 1.75 1.75 1.75 1.75 1.75 1.75 1.75	0 0 0 26 3 0 0 0 0 27 Total Medical Solidor 10 10 10 10 10 10 10 10 10 10 10 10 10 1	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Minon-Marketable Unith Orders as 16 minor Marketable See See See See See See See See See Se	28 : 227 : 0 0 0 0 Total Other On .62 Marketable Market	Other Orders at 1 other Orders 2 other Orders 2 other Orders 3 other Orders 4 other 2 other 2.2.6.3	0 0 0 0 0 14 2 2 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nat Payment Paul files over the Market Ordernight 00 00 00 00	Net Payment. Paid Received for Market Orders/conts per Oliminate shares)	Net Payment Net Payment Print (Precious) Orders (USO)	Mat Payment Padd Received for Marketable (United States)	Net Payment Net P	Net Payment PaidPrescived for Non-Marketable Unit Order(cents)	Net Pymeet PaidRecived for Other Orders(USD)	Net Reposite Net Reposite Other Order (cents per hundred blures)	
Services, LLC(CNSD) Figure 1 (1998) Figure 2 (1998) Fi	28 27 26 14 Total Market 100.00 Nos-Directed Orders(%) 72 22	1.85 1.78 1.72 0.92 Market Orders or order orders 4.00 Market Orders 4.00 Market Orders 1.00 Market Or	0 0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 Mon-Markstable Limit Orders as 16 and orders 16 38 Mon-Markstable Limit Orders 14.29 7.14	28 : 27 : 0 0 0 o o o o o o o o o o o o o o o o	Other Orders at 1 Other Orders 2 Other Orders 3 Other Orders 4 Other Orders 2 Other Orders 4 Other Orders 2 Other Orders 4 Other Orders 2 Other Orders 2 Other Orders 2 Other Orders 3 Oth	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Payment Payment Payment Chemical Meter Chemical	Net Pyromet Net Pyromet Padd/Received for Market Market Journal of Market Market Journal of Market	Net Payment Puddifference de la Color (1952)	Net Provinces Met Pr	Net Payment Net P	Net Psymnet Net Ps	Net Pymeet PaidRecived for Other Orders(USD)	Net Payment Puts Review of the Control of the Contr	
Services, LLC(1900) Forgotiss Fapilities Fap	28 27 26 14 Total Market 100.00 Nos-Directed Orders(%) 72 22	1.55 1.78 1.72 0.92 Market Orders Orders Orders Orders 4.1 Market Orders 4.1 Market Orders 4.1 1.1 Market Orders 4.1 1.1 1.1 Market Orders 4.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0 0 0 26 3 0 0 0 27 Total Markstalder Little Orders (No. 2) 38 50 17 23 1 1 1 6 8 5	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 Mon-Marketable Limit Orders as Work Limit Christia 14.29 7.14 0.00	28 : 227 : 0 0 0 0 For Total Other On Limit Orders(b): 330 : 14 : 5 4	Other Orders at 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Paymont Pain/fiscaled for Market Orders(US) 00 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Public Process Control Con	Net Payment Paid Received for Coders/Gents gar-hundred shared	D D D D D D D D D D D D D D D D D D D	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Net Prymers Paid Review for to Other Order(see thouse)	
Services, LLC(1900) Faguities Faguit	28 27 26 14 Total Market 1000.00 Non-Director(N) 7 2 22 16 11 20 8	1.85 1.78 1.72 0.92 Market Orders 2 6.16 Market Orders 4 1.07 1.036 Market Orders 4 1.07 1.036 Market Orders 4 1.07	0 0 0 26 3 0 0 0 27 Total Markstalder Little Orders (No. 2) 38 50 17 23 1 1 1 6 8 5	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 Mon-Marketable Limit Orders as 1s and 1s a	28 : 227 : 0 0 0 0 For Total Other On Limit Orders(b): 330 : 14 : 5 4	Other Orders at 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 4 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Paymont Pain/fiscaled for Market Orders(US) 00 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO)	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1900) Faguities Faguit	28 27 26 14 Total Market 1000.00 Non-Director(N) 7 2 22 16 12 9	1.85 1.78 1.72 0.92 Market Orders 2 6.16 Market Orders 4 1.07 1.036 Market Orders 4 1.07 1.036 Market Orders 4 1.07	0 0 0 26 3 0 0 0 27 Total Markstalder Little Orders (No. 2) 38 50 17 23 1 1 1 6 8 5	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 Mon-Marketable Limit Orders as 1s and 1s a	28 : 227 : 0 0 0 0 For Total Other On Limit Orders(b): 330 : 14 : 5 4	Other Orders at 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 4 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Paymont Pain/fiscaled for Market Orders(US) 00 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) Services, LLC(1980) Fapilities I Exchange(FDG) Fapilities I	28 27 26 14 Total Market 1000.00 Non-Director(N) 7 2 22 16 12 9	1.85 1.78 1.72 0.92 Market Orders 2 6.16 Market Orders 4 1.07 1.036 Market Orders 4 1.07 1.036 Market Orders 4 1.07	0 0 0 26 3 0 0 0 27 Total Markstalder Little Orders (No. 2) 38 50 17 23 1 1 1 6 8 5	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 Mon-Marketolie Limit Orders as 1s and 1s a	28 : 227 : 0 0 0 0 For Total Other On Limit Orders(b): 330 : 14 : 5 4	Other Orders at 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 4 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) Foreign (1980) F	28 27 26 14 Total Market 1000.00 Non-Director(N) 7 2 22 16 12 9	1.85 1.78 1.72 0.92 Market Orders 2 6.16 Market Orders 4 1.07 1.036 Market Orders 4 1.07 1.036 Market Orders 4 1.07	0 0 0 26 3 0 0 0 27 Total Markstalder Little Orders (No. 2) 38 50 17 23 1 1 1 6 8 5 5 7 6 8 8	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 27 : 0 0 0 For a contract of the contract	Other Orders at 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 4 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) Services, LLC(1980) Fapilities I Exchange(FDG) Fapiliti	28 27 26 34 Total Murket 100.00 Non-Director Order(N) 7 2 2 16 12 9 8 7	1.85 1.78 1.72 0.92 Market Orders 2 6.16 Market Orders 4 1.72 1.0.96 8.22 6.16 5.48 4.79	0 0 0 26 3 0 0 0 0 27 Testa Market Stable State	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 227 : 0 0 0 0 Total Other On Aberlatable Charles	Other Orders at 1.75 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) For politics For politic	28 27 26 14 14 100.00 Total Market Orders(%) 72 22 26 16 12 9 8 7	1.85 1.78 1.72 0.92 Market Orders Orders Orders 4 32 Market Orders 15.07 10.96 8.22 6.16 5.48 4.79 Market Orders 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 227 : 0 0 0 0 Total Other On 30 3 3 14 : 1 0 0 5 of Total Other On Total Oth	Other Orders at 1.75 Other Orders at 2.63	0 0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50 0	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) For politics For politic	28 27 26 14 TAII TOTAL Manket Chiefred (%) 72 22 26 16 12 9 8 7	1.85 1.78 1.72 0.92 Market Orders Orders Orders 4 32 Market Orders 15.07 10.96 8.22 6.16 5.48 4.79 Market Orders 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50 0.00 Marketable Limit Orden as Not No. Directed Orders Marketable Limit Orders 41 44 45 0.00 Marketable Limit Orders as No. No. Orders as No. Orders as No. No. Orders a	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 27 : 0 0 0 0 Color of Total Other On Limit Orders (%) 30 3 3 14 : 1 5 4 4 1 0 0 Color of	Other Orders at 1.75 Other Orders at 2.63	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(1980) For politics For politic	28 27 26 14 14 100.00 Total Market Orders(%) 72 22 26 16 12 9 8 7	1.85 1.78 1.72 0.92 Market Orders Orders Orders 4 32 Market Orders 15.07 10.96 8.22 6.16 5.48 4.79 Market Orders 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 227 : 0 0 0 0 Total Other On 30 3 3 14 : 1 0 0 5 of Total Other On Total Oth	Other Orders at 1.75 Other Orders at 2.63	0 0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50 0	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Net Payment Paul Payment Paul	Net Prymeet Mat Prymeet Padd Record for Anatotic Line Orders (USO) O	Net Payment Paid Received for Coders/Gents gar-hundred shared	Nati Payment Family Record Family Family Record Family Fam	Net Payment Paid Received Unit Order (over	Net Fyrment Paid Receive of tor Other Orders (USD)	Nest Promotes Natal P	
Services, LLC(DSS) For a control of the control of	28 27 26 14 14 100.00 Total Market Orders(%) 72 22 26 16 12 9 8 7	1.85 1.78 1.72 0.92 Market Orders Orders Orders 4 32 Market Orders 15.07 10.96 8.22 6.16 5.48 4.79 Market Orders 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 227 : 0 0 0 0 Total Other On 30 3 3 14 : 1 0 0 5 of Total Other On Total Oth	Other Orders at 1.75 Other Orders at 2.63	0 0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50 0	Net Paymont Paid/flecived for Market Orders(US) 00 00 00 00 00	Nat Payment Nat P	Net Payment Net Payment Pad/Retable (Inc.) Order(0:50)	Net Payment Paid Received for Mantertable Limits Standard Shares	Net Payment Paid/Received for Limit Orders(USO)	Net Payment Net Payment Unit Order(case) Unit Order(case) par hundred theres or hundred theres	Net Fyrment Paid Receive of tor Other Orders (USD)	Net Payment Paiglifective for Poiglifective for O O O O O O O O O O O O O O O O O O O	
Services, LLC(1980) For a control of the control o	28 27 26 34 Total Market 100:00 Non-Director Order/(%) 22 26 16 12 9 8 7	1.55 1.78 1.72 0.92 Market Orders of Market Orders of Market Orders 1.507 1.509 1.5	0 0 0 0 226 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Marketable Limit Onten as N of Non Onten as N of	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 Mon-Marketable Limit Orders as Vs sub-Orders Limit Orders 14.29 7.14 7.14 0.00 0.00 7.14 15.71 15.71 16.71 1	28 : 27 : 0 0 0 0 is of Total Other On Assertation Control of Cont	Other Orders 2 Other Orders 2 Other Orders 3 I T T T T T T T T T T T T T T T T T T	0 0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 50 0	Not Payment	Net Payment Net Payment Net Payment Net Payment Net Payment	Net Payment Pad Placehed for Market table Lind Crear-(1):50)	Nat Payment	Next Payment Paid Received for Nov. Adversarial Limit Orders (U.D.)	Net Payment Net Payment In Control of the Control	Net Fayment Point/Received for Other Orders(UID)	Next Prymets Next Prymets Out Office of the Control of the Contr	
Services, LLC(1980) For a control of the control o	28 27 26 14 TAII TOTAL Market 100.00 Total Market 22 22 16 12 9 8 7 Total Market 7 Total Market 100.00 Total Market	1.55 1.78 1.72 0.92 Market Orders of Market Orders of Market Orders 1.507 1.509 1.5	0 0 0 0 2 2 6 3 3 0 0 0 0 1 2 6 1 2 6 1 2 7 1 2 1 1 1 1 6 8 5 7 7 6 8 8 0 0 0 0 0 1 2 7 1 2 1 1 1 1 1 1 2 1 2 1 2 1 2 1 1 1 1	50 00 00 00 00 00 00 00 00 00 00 00 00 0	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 27 : 0 0 0 0 1	Other Orders 2 Other Orders 2 Other Orders 2 Other Orders 3 Other Orders 3 Other Orders 5 Other Orders 5 Other Orders 5 In Total 1 In Total 1	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mass Payment Market Ordere(US) Mass Payment Market Ordere(US) Market Payment Market Ordere(US)	Net Payment Paid Recived for Market Market Startes O Net Payment O Net Payment O Net Payment Paid Recived for Market	Net Pyyment Peid/Neceived for Orders(USO) Net Pyyment Net Pyyment Net Pyyment	Net Payment Puid Received for Abartestate Limits Abartestate	Net Payment Paid/Received for Limit Orders(USO) Net Epyment Net Payment	Net Payment Net Payment In Control of the Control	Net Fayment Point/Received for Other Orders(UID)	Next Prymets Next Prymets Out Office of the Control of the Contr	
Services, LLC(1980) Graphics Feed and Services, Control of Services, Con	28 27 26 34 TAII Total Market 100:00 Non-Director 12 2 16 12 9 8 7 7 1AII Total Market Non-Director 100:00 Non-Director 100:0	1.55 1.78 1.72 0.92 Market Orders of Management Orders 4.03 1.55.07 1.05.6 8.22 6.16 5.48 4.79 Market Orders Orders 6.17 1.07 1.07 1.07 1.07 1.07 1.07 1.07 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Marketable Limit Marketable Limit Marketable Limit Marketable Limit As a service of the serv	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as Ya Mon-Marketable Limit Orders 14.29 7.14 7.14 0.00 0.00 1.00 1.00 1.00 1.00 1.00 1	28 : 27 : 0 0 0 0 1 of Total Other On .62 1 of Total Other On .62 1 of Total Other On .63 1 of Total Other On .64 1 of Total O	Other Orders at 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 14 2 2 150 150 150 150 150 150 150 150 150 150	Not Payment Paul flacowed for Market Orderni(US) Not Payment Paul flacowed for Market Orderni(US) Not Payment Paul flacowed for Market Orderni(US)	Nate Payersect Nate Payersect	Net Payment Paid Received for Market Rivers (1960)	Mat Payment Mat P	Nest Payment Paid Received for Nos-Autorated Intelligence	Net Payment Net Payment Non-Macketable Limit Office of the Control	Net Payment Poid/Received for Other Orders(1932)	Net Psyment Paid Received for Other Order (Gents of the Control of	
Services, LLC(1980) Facilities (Facilities Control of Particular C	28 27 26 14 TAII TOTAL Market 100.00 Total Market 22 22 16 12 9 8 7 Total Market 7 Total Market 100.00 Total Market	1.55 1.78 1.72 0.92 Market Orders of Market Orders 4.42 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	0 0 0 0 2 2 6 3 3 0 0 0 0 1 2 6 1 2 6 1 2 7 1 2 1 1 1 1 6 8 5 7 7 6 8 8 0 0 0 0 0 1 2 7 1 2 1 1 1 1 1 1 2 1 2 1 2 1 2 1 1 1 1	Marketable Limit Marketable Limit Marketable Limit Marketable Limit As a service of the serv	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	28 : 27 : 0 0 0 0 1 of Total Other On .62 1 of Total Other On .62 1 of Total Other On .63 1 of Total Other On .64 1 of Total O	Other Orders at 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 14 2 2 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Not Payment Paul flacowed for Market Orderni(US) Not Payment Paul flacowed for Market Orderni(US) Not Payment Paul flacowed for Market Orderni(US)	Nate Payersect Nate Payersect	Net Pyyment Peid/Neceived for Orders(USO) Net Pyyment Net Pyyment Net Pyyment	Mat Payment Mat P	Net Payment Paid/Received for Limit Orders(USO) Net Epyment Net Payment	Net Payment Net Payment Non-Macketable Limit Office of the Control	Net Payment Pois/Received for Other Ordens(P2)	Net Psyment Paid Received for Other Order (Gents of the Control of	
Services, LLC(1980) Graphics Feed and Services, Control of Services, Con	28 27 26 34 TAII Total Market 100:00 Non-Director 12 2 16 12 9 8 7 7 1AII Total Market Non-Director 100:00 Non-Director 100:0	1.55 1.78 1.72 0.92 Market Orders of Management Orders 4.03 1.55.07 1.05.6 8.22 6.16 5.48 4.79 Market Orders Orders 6.17 1.07 1.07 1.07 1.07 1.07 1.07 1.07 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Marketable Limit Marketable Limit Marketable Limit Marketable Limit Marketable Limit Marketable Limit 10 Marketable Limit	O O O O O O O O O O O O O O O O O O O	0.00 0.00 0.00 0.00 Non-Marketable Limit Orders as Ya Mon-Marketable Limit Orders 14.29 7.14 7.14 0.00 0.00 1.00 1.00 1.00 1.00 1.00 1	28 : 27 : 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Orders at 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 14 2 2 150 150 150 150 150 150 150 150 150 150	Net Payment Palafilecined for Machet Creen(M) Net Payment Palafilecined for Machet Creen(M) Net Payment Machet Creen(M) 22	Net Pyrement Market	Net Payment Polyment Chief (160)	Mat Pryntest Self-Pryntest And Pryntest Mat Pryntest And Pryntes	Nest Payment Paid Received for Nos-Autorated Intelligence	Next Programmer Next Programmer Non-Marketable Unit Oblercloset per hundred shares Non-Marketable Unit Oblercloset per hundred shares Non-Marketable Unit Oblercloset per hundred shares	Net Payment Paid/Received for Color	Net Psyment Poid/Recive for O Net Psyment Poid/Recive for O Net Psyment O O Net Psyment O O O Net Psyment O O O O O O O O O O O O O	

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Non-S&P 500 Stocks																	
Total Non-Directed Orders	Directed s as % of All	Market Ord of Non-Dire	cted Total Marketabl	Marketable Limit le Orders as % of No		Non-Marketab Limit Orders a Non-Directed	s % of	Other Orders as % of Non-Directed									
Orders Orders 1,130	s Total Marke	t Orders Orders 1,013	Limit Orders 89.65	Directed Orders 10 0:		Orders 34	Total Other Orde 3.01	rs Orders 73 6.41	i								
										Net Payment	Net Payment Paid/Received for Market	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Received for	Net Payment Paid/Received for Non-Marketable	Net Payment	Net Payment Paid/Received for
directed Order Flow Orders Citadel Securities		Market Ord		Marketable Limit (%) Orders	Marketable Limit Orders(%)	Non-Marketab Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	Paid/Received for Market Orders(US	Orders(cents per D) hundred shares)	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)	Limit Orders(cents	Paid/Received for) Other Orders(USD)	Other Orders(cents per hundred shares)
LLC(CDRG) National Financial	552	32.22		51.68	3	30.00		.55 31			0		0			0 (
Services LLC(XSTM) VIRTU Americas LLC(NITE)	536 407	31.29 23.76		0.00	5	0.00		.14 3			0		0			0 (
NASDAQ Execution Services, LLC(NSDQ)	52	3.04	0	0.00	0	0.00	52 59	.09	0.00		0	0	0	0	0	0 (0
JANE STREET CAPITAL, LLC(JNST) G1 Execution	44	2.57	41	4.18	1	10.00	2 2	27	0.00		0	0	0	0	0	0 (0
Services, LLC(ETMM) Instinet	42	2.45			0	0.00		.00			-		0		0	0 (
BlockCross(BLKX) Choe EDGX US Equities Exchange(EDGX)	25	1.46			0	0.00		.00 25				0	0	0	0	0 (
Exchange(EDGX) Two Sigma Securities, LLC(SOHO)	21	1.23		1.83	0	0.00		.14			0	0	0	0	0	0 (
UBS Securities, LLC(UBSS)	7	0.41		0.51	1	10.00		.00			0	0	0	0	0	0 (0
August 2020 Option Contracts																	
Summary Non-D	Directed	Market Ore	Sers as %	Marketable Limit		Non-Marketab Limit Orders a	is % of	Other Orders as %									
Total Non-Directed Orders Orders Orders	s as % of All s Total Marke 100.00	of Non-Dire t Orders Orders 55	cted Total Marketabl Limit Orders 48.25	le Orders as % of No Directed Orders 9 7:	n- Total Non-Marketable Limit Orders 89	Non-Directed Orders 49	Total Other Orde 42.98	of Non-Directed rs Orders 1 0.81	ı								
Venues											Net Payment		Net Payment		Net Payment		
Venue - Non- Non-D directed Order Flow Orders	Directed Non-Directe s Orders(%)	d Martin Co.	ders Market Ordersi'	Marketable Limit	Marketable Limit Orders(%)	Non-Marketab Limit Orders	ble Non-Marketable Limit Orders(%)	00	Other Orders(%)	Net Payment Paid/Received for Market Orders(US	Paid/Received for Market Orders(cents per	Net Payment Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per	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 per hundred shares)
Citadel Securities LLC(CDRG) Susquehanna	57	49.57		17.27	1	10.00		18		market Orders(US	O numbred shares)	0	0	0	0	0 (
Capital Group(SUSQ) Dash Financial	26	22.61	18 3	32.73	5	50.00	3 6	.12	0.00		0	0	0	0	0	0 (0
Technologies LLC(DASH) Wolverine	11	9.57	9 1	16.36	0	0.00	2 4	.08	0.00		0	0	0	0	0	0 (0
Execution Services LLC(WEXX) Interactive Brokers	9	7.83		0.00	1	10.00		.33			0	0	0	0	0	0 (
LLC(IBKR) Morgan Stanley & Company	7	6.09		0.00	3	30.00		16		'	0	0	0	0	0	0 (0
LLC(MSCO) Citigroup Global Markets, Inc.(KEXP)	4	3.48		1.82	0	0.00		.00			0	0	0	0	0	0 (
September 2020					-								-	-			
S&P 500 Stocks Summary						Non-Marketab	No.										
Orders Orders	s as % of All s Total Marke	Market Ord of Non-Dire t Orders Orders	Limit Orders	Directed Orders	Total Non-Marketable Limit Orders	Limit Orders a Non-Directed Orders	ss % of Total Other Orde	Other Orders as % of Non-Directed rs Orders									
431 Venues	100.00	315	73.09	6 1.	39	47	10.90	63 14.63	!								
										Net Payment	Net Payment Paid/Received for Market	Net Payment Paid/Received for	Net Payment Paid/Received for Marketable Limit		Net Payment Paid/Received for Non-Marketable	Net Payment	Net Payment Paid/Received for
directed Order Flow Orders Citadel Securities		Market Ord			Marketable Limit Orders(%)	Non-Marketab Limit Orders	Limit Orders(%)	Other Orders	Other Orders(%)	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	Paid/Received for) Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG) National Financial Services LLC(XSTM)	Directed Non-Directe Orders(%) 199		155 5	55.96	Marketable Limit Orders(%) 4		Limit Orders(%)	Other Orders .41 3:	12.31	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	Paid/Received for	Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG) National Financial	199	Market Ord 28.80	155 5	0.00	4	Limit Orders 66.67	Limit Orders(%) 8 5	41 3	74.23	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 0	Paid/Received for i) Other Orders(USD)	Paid/Received for Other Orders (cents per hundred shares)
Citadel Securities LLC(DRG) National Financial Services LLC(XSTM) VIRTU Americas LLC(NITE) NASDAQ Execution Services, LLC(NSDQ) New York Stock	199 193 116	Market Ord 28.80 27.93 16.79	155 5 0 82 2	55.96 0.00 19.60	4	66.67 0.00 33.33	Limit Orders(%) 8 5 0 0 5 3 96 64	.41 3: .00 19: .38 2:	74.23	Paid/Received for Market Orders(US	Market Orders(cents per D) hundred shares) 0	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 0	Paid/Received for Other Orders(USD) O	Paid/Received for Other Orders(cents per hundred shares) 0 0 0 0 0 0 0
Citade Securities LLC(CDRG) National Financial Services LLC(STM) Vanericas LLC(NTT) NASDAQ Execution Services, LLC(NSDQ) New York Stock Exchange(NYS) G1 Execution Services,	199 193 116 96 35	Market Ord 28.80 27.93 16.79 13.89 5.07	155 S 0 82 2	0.00 0.00 0.00 0.00	4 0 2 0	Limit Orders 66.67 0.00 33.33 0.00	Limit Orders(%) 8 5 0 0 5 3 96 64 35 23	.41 3: .00 19: .338 2: .86 (4	74.23 74.23 10.38 0 0.00	Paid/Received for Market Orders(US	Market Orders(cents per D) hundred shares) 0 0 0	Paid/Received for Marketable Limit Orders(USD)	Marketable Limit Orders(cents per hundred shares) 0 0 0	Paid/Received Tree Non-Marketable Limit Orders(USD) 0 0 0	Non-Marketable Limit Orders(cents) per hundred shares 0 0 0	Padd/Received for) Other Orders(USD) 0 1	Paid/Received for Other Orders(cents per hundred shares) 0 0 0 0 0
Citade Securities LLC(CORG) National Financial Services LLC(SSTM) ViRTU Americas LLC(INTE) NASDAQ Execution Services, LLC(NSDQ) New York Stock Exchange(INTS) Services, LLC(ETMM) JANK STREET APPTIAL, LLC(JINT)	199 193 116	Market Ord 28.80 27.93 16.79	155 5 0 82 2 0 0	0.00 0.00 0.00 0.00	4 0 2	66.67 0.00 33.33	Limit Orders(%) 8 5 0 0 5 3 96 64 35 23 0 0	.41 3: .00 19: .38 2:	74.23 74.23 10.38	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 Tree Non-Marketable Limit Orders(USD) 0 0 0	Non-Marketable Limit Orders(cents) per hundred shares 0 0	Paid/Received for Other Orders(USD) O	Paid/Received for Other Orders(conts per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Citade Securities LLC(CORO) National Financial National Financial Services LLC(CORTI) VIRTU Americas LLC(DWT) NASDAQ Execution Services, LLC(NSOQ) New York Stock Exchange(WYSI) CAS Execution LLC(CITMAM) JANE STREET CAPITAL, LLC(DIST) National Corticles Securities LLC(SOMO)	199 193 116 96 35	Market Ord 28.80 27.93 16.79 13.89 5.07	155 5 0 82 2 0 0	0.00 0.00 0.00 0.00 0.00	4 0 2 0	Limit Orders 66.67 0.00 33.33 0.00 0.00	Limit Orders(%) 8	41 3: 000 199 338 2: 86 6 65 65 6	1231 7423 1038 1038 0 0.00	Paid/Received for Market Orders(US	Market Orders(cents per D) hundred shares) 0 0 0 0 0	Paid/Received for Marketable Limit Orders(USD)	Marketable Limit Orders(cents per hundred shares) 0 0 0	Paid/Received Tree Non-Marketable Limit Orders(USD) 0 0 0	Non-Marketable Limit Orders(cents) per hundred shares 0 0 0	Padd/Received for Other Orders(USD) U U U U U U U U U U U U U	Paid/Received for Other Orders(conts per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Cisadé Securities LICLOSMO Matinosi Fisancial Services LICLOSMO VIRTU Americas LICLOSMO NACIDADE Securities Services, LICLOSMO NEW YORK SIDOS RECHEROSMO R	199 193 116 96 35	Market Ord 28.80 27.93 16.79 13.89 5.07 2.60	155 5 0 82 2 0 0 17 16	0.00 0.00 0.00 0.00 0.00 6.14	4 0 2 0	Limit Orders 66.67 0.00 33.33 0.00 0.00	Limit Orders(%) 8	.41 3: 000 19: 388 2: 86 4 6.55 1	1231 7423 10.38 0.00 0.00 0.38 0.00 0.00	Paid/Received for Market Orders(US)	Market Orders(cents per D) hundred shares) 0 0 0 0 0	Publificacional for Marketable Limit Orders(USD)	Marketable Limit Orders(cents per hundred shares) 0 0 0	Paid/Raceived for Non-Marketable Limit Orders(USD)	Non-Marketable Limit Orders(cents) per hundred shares 0 0 0	Padd/Received for Other Orders(USD) U U U U U U U U U U U U U	Paid/Received for Charles (Paid Received In Charles (Paid Received In Charles Paid Received In C
Cisadi Securities LICIONIO NATIONAl Fisancial NATIONAl Fisancial NATIONAL Fisancial NATIONAL CONTROL NATIONA	199 193 116 96 35 18 16	Market Ord 28.80 27.93 16.79 13.89 5.07 2.60 2.32	155 5 0 82 2 0 0 17 16 5	0.00 0.00 0.00 0.00 0.00 6.14 5.78	4 0 2 0 0 0 0 0	Limit Orders 66.67 0.00 33.33 0.00 0.00 0.00 0.00	Limit Orders(%) 8	.41 3: 000 19: 338 2: .86 4 .655 4 .000 :	2 1231 7423 10.38 0 0.00 0 0.00 1 0.38 0 0.00	Paid/Received for Market Orders(US)	Market Orders(cents per D) hundred shares) 0 0 0 0 0 0 0 0 0	Paid/Received for Authorities United States (1950)	Marketable Limit Orders(cents per hundred shares) 0 0 0 0 0	Paid/Raceived for Non-Marketable Limit Orders(USD)	Non-Marketable Umit Orders(cents) per hundred shares 0 0 0 0	Paids/Received for Other Orders(USD) USD	Paid/Received for Other Orders/cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Cisadi Securities (LICCOMI) National Financia National Financia National Financia National Financia National Control (National Processor) National	199 193 116 96 35 18 16	Market Ore 28.80 27.93 16.79 13.89 5.07 2.60 2.32 1.16 0.58	155 5 0 82 2 0 0 17 16 5	0.00 0.00 0.00 0.00 0.14 5.78	4 0 2 0 0 0 0 0	Limit Orders 66.67 0.00 33.33 0.00 0.00 0.00 0.00	Limit Orders(%) 8	.41 3: .000 19: .338 2: .86 4 .655 4: .000 :	2 1231 7423 1038 0 0.00 0 0.00 1 0.38 0 0.00	Paid/Recalved for Market Orders(US)	Market Olivaria, Market	Paid/Received for Authorities United States (1950)	Marketuble Limit Confessions and The Confessio	Paid/Raceived for Non-Marketable Limit Orders(USD)	Non-Marketaleer Limit Orden/selection Limit Orden/selection Limit Orden/selection per rhundred shares	Paid/Received for Paid/Received for Paid/Received for Paid Received for Paid Receive	Paid/Received for Other Orders/cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Cisade Securities LUC(2086) National Financial National Financial National Financial National Financial National Financial National Financial National Control National National Control New York Stock Exchange (1973) ANA STRET CAPITAL LUC(ETMA) JAMES TREET CAPITAL LUC(ETMA) Two Sigma LUC(ETMA) LUC(ETMA) Services LUC(ETMA) Services Services LUC(ETMA) Services Ser	199 193 116 96 35 18 16 8 4	Market Ore 28.80 27.93 16.79 11.89 5.07 2.60 2.32 1.16 0.58	155 5 0 62 2 0 0 17 16 5 0 0	0.00 0.00 0.00 0.00 0.00 6.14 5.78 1.81 0.00	4	Linkt Opders 66 67 0.00 33.33 0.00 0.00 0.00 0.00 0.00 0.	Limit OrderpRV) 8	41 3: 35 2: 35 33 33 2: 35 35 35 35 35 35 35 35 35 35 35 35 35	2 1231 7423 1038 0 0.00 0 0.00 1 0.38 0 0.00	Paid/Recalved for Market Orders(US)	Market Olivaria, Market	Paid/Received for Australia United States (1950)	Marketuble Limit Confessions and The Confessio	Paid/Raceived for Non-Marketable Limit Orders(USD)	Non-Marketaleer Limit Ordensteader State of the Control of the Con	Paid/Received for Paid/Received for Paid/Received for Paid Received for Paid Receive	Paid/Received for Other Orders/cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Cisade Securities LICCOMO National Financia National Financia Services LICCOSTID VIETO Jamestes LICCOSTID VIETO Jamestes LICCOSTID VIETO Jamestes LICCOSTID VIETO Jamestes LICCOSTID Jamestes LICCOSTID VIETO Jamestes LICCOS	199 193 116 96 35 18 16 8 4 4	Market Ore 28.80 27.93 16.79 13.89 5.07 2.60 2.32 1.16 0.58	155 5 0 62 2 0 0 17 16 5 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 0 0 0 0 0 1 Total Non-Marketabb Limit Orders	Linit Orders 66.67 0.00 33.33 0.00 0.00 0.00 0.00 0.00 0.	Limit OrderoPIX) 8	41 3: 30 198 2: 338 2: 348 3: 358 3. 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3. 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3: 358 3:	12313 12313	Paid/Recalved for Market Orders(US)	Market Olivaria, Market	Paid/Received for Australia United States (1950)	Marketuble Limit Confessions and The Confessio	Paid/Raceived for Non-Marketable Limit Orders(USD)	Non-Marketaleer Limit Ordensteader State of the Control of the Con	Paid/Received for Paid/Received for Paid/Received for Paid Received for Paid Receive	Paid/Received for Other Orders/cents per hundred shares) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Cisadé Seunties LICCOMO National Financia National Financia Services LICCOMO National Financia LICCOMO NET VOS LICCOMO NET VOS LICCOMO New York Siscé Sechange/POTS) O Siscondino Sechange/POTS) O Siscondino LICCOTTAMO AMPLES AMPLES AMPLES AMPLES LICCOTTAMO LICCOTTA	199 193 116 96 35 18 16 8 4 4	Market Ore 28.80 27.93 16.79 13.89 5.07 2.60 2.32 1.16 0.58 0.58	155 5 0 82 2 0 0 17 16 5 0 0 0 0 17 16 7 16 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 0 0 0 0 0 1 Total Non-Marketabb Limit Orders	Linkt Onders 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	Limit OrderoPIX) 8	41 3: 38 2: 38 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12313 12313	Paid/Recalved for Market Orders(US)	Modest compared on Manager of Man	Padd/Received for Monte (March 1990)	Marketable Limit Charles of the Control of	Paul/Received for National Paul Received for National Condensity (USC)	Non-Marketable ger hundred shares 0 0 0 0 0 0 0 0 0 0 0 0 0	Paid/Received for Paid/Received for Paid/Received for Paid Received for Paid Receive	Prodifference for Other Observations of the
Cisade Securities LUC(DMR) Matinada Financial Services LUC(STMR) MACROAG Execution Services LUC(STMR) MACROAG Execution Services, LUC(MR) Macroage Services, Macroage Services	199 193 116 96 35 18 16 8 4 4 4 7 Directed 4 x as N of All 7 Total Marke 1 10000	Market Ore 28.80 27.93 11.679 11.89 5.07 2.60 2.32 1.16 0.58 0.58 Market Ore of Nacother 785 volume 40	155 5 0 82 2 0 0 17 16 5 0 0 0 17 16 5 0 Unit Order St. V. Told Marketall Ma	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 0 0 Total Non-Marketable Linki Orden	Limit Onders 66 67 0.00 33.33 0.00 0.00 0.00 0.00 0.00 0.	Ulmik Ordere/IV3/ 8	41 3: 38 2: 38 4: 4 6: 5 6: 5 6: 6 6: 6 6: 6 6: 6 6: 6	1231 1231 1232 1232 1232 1232 1232 1232	Paid/Received for Market Orders(US	National Counts par Ol hundred theres) O hundred theres) O O O O O O O O O O O O O O O O O O O	Padd/Received for Months (MSD) Orders(MSD) O Interview of the Management of the M	Market state Limit builded shared O Net Pyrment O O O O O O O O O O O O O	Paid Received for National Received for National Condensity (USO) O O O O O O O O O O O O	Non-Marketable ger hunde de shares O Net Payment Net Payment India Chescined for India Chescined for India Chescined for India Chescined for	Proj. Price Control of the Control o	Padd Recover for Other Other (International Control of Control Other (International Control Other Other (International Control Other Other (International Control Other
Cisade Securities LUC(2016) National Financial National Financial National Financial National Financial National Financial National Financial National Natio	199 193 116 96 35 18 16 8 4 4 4 7 Directed 4 x as N of All 7 Total Marke 1 10000	Market Ord 28.80 16.79 13.89 5.07 2.60 2.32 1.16 0.58 0.58 Market Ord 785 Ord 785 Ord 785	155 5 0 82 2 0 0 17 16 5 0 0 0 17 16 5 10 0 0 Maria and Marianda M	0.00	4 0 2 0 0 0 0 0 0 0 0 0 1 Total Non-Marketabb Limit Orders	Limit Orders 66.67 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Umin OrderoPIV) 8	41 3: 38 2: 38 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12.31 17.423 10.38	Paid/Recolved for Market Orders(US	Market comes per colonial per c	Padd/Received for Medical Stool Orders (USO) Orders (USO) O Intel Payment Net P	Market table Limit Charles Shared Sha	Paid Received for Limit Order(USD) O Nat Pyromet Nat P	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Proj. Price Control of the Control o	Peddiffective for Other Observations of the Other Observation of the Other Observations for Observatio
Cisade Securities LUCCOMO National Financial Nation	199 193 116 96 35 18 16 5 4 4 4 Total Marke 100.00 Orders(%) 4 Non-Oirected x	Market Ore 28.80 16.79 11.89 1.5.07 2.60 2.32 1.16 0.58 0.58 Market Ore 785 A Orders Market Ore 785 d Market Ore 785	155 5 0 82 2 0 0 17 16 5 0 0 187 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 2 0 0 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(N) 2	Limit Orders 66.67 0 00 0 00 33.33 0 00 0 00 0 00 0 00 0 0	Umit Ordero(IV) 8	41 3: 3 38 2: 38 38 2: 38 38 38 38 39 39 39 39 39 39 39 39 39 39 39 39 39	12.11 174.23 10.38	Paid/Recolved for Market Orders(US Net Payment Paid/Recolved for Market Orders(US	Note the control of t	Padd/Received for Management (Management (Market Spine Limit bunderd shared O O O O O O O O O O O O O	Paul Received for National Received for Nati	Non-Marketable ger hunde of shares O Net Payment Pad@Marketable Limit Orders(overs) Pad@Marketable Limit Orders(overs) O	Pixid Proceded for Codenius Code Code Code Code Code Code Code Code	Production for Other Characterists and Programme Character
Cisade Securities LUCIONIS Matinast Financial Services LUCIONIS Matinast Financial Services LUCIONIS MATINAST FINANCIA SERVICES LUCIONIS MATINAST FINANCIA M	199 193 116 96 35 18 16 8 4 4 Total Marke 10000 Prected Non-Directed Corders(%) 4 488 497 265	Market Ore 28.80 16.79 11.89 5.07 2.60 2.32 1.16 0.58 0.58 Market Ore 780 Anno Dire 780 Market Ore 781 4 Market Ore 782 9.87	155 5 0 82 2 0 0 17 16 5 0 0 17 16 16 15 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 2 0 0 0 0 0 Total Non-Markstable Limit Orders Markstable Limit Orders 2	Limit Orders 66.67 0 00 0 00 33.33 0 00 0 00 0 00 0 00 0 0	Umit Ordero(IV) 8	41 33 00 199 38 22 38 26 46 67 67 00 199 399 399 399 399 399 399 399 399 399	12.11 17.423 10.38	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Note of the control o	Padd/Received for Management (Management (Market Spanned. Danified Shared O O O O O O O O O O O O O	Paul Received for National Received for Nati	Non-Marketable ger hunde of shares O Net Payment Pad@Marketable Limit Orders(overs) Pad@Marketable Limit Orders(overs) O	Pick Payment Net Fayment Pick Fayment One Other Orders (1930) One Other Orders (1930) One Other Orders (1930) Net Fayment One Other Orders (1930) One Other Orders (1930)	Professional for Other Characteristics and Table 1
Cisade Securities LUC(CDMR) Matinada Financial Services LUC(STMR) MASCAGE Securities Services LUC(STMR) MASCAGE Securities Services, LUC(STMR) MASCAGE Securities Services, LUC(STMR) Mascage Securities Services, LUC(STMR) JAMS STREET JUST) JAMS STREET JUST) JAMS STREET JUST) Mascage Securities Securities LUC(STMR) LUC(STMR) Mascage Securities Securiti	199 193 116 96 35 18 16 8 4 4 4 Vocated as as N of All Total Marke 1 100.00 Orders(N) 468 397 265 43	Market Ore 28.80 27.93 11.89 5.07 2.60 2.33 1.16 0.58 0.58 Market Ore 27.85 Market Ore 27.8	155 5 5 0 82 2 2 0 0 0 177 16 5 5 0 0 0 182 COLOR TOWN Market District Orders ELIST Town Market Orders 81.14 5 5 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(N) 2 0 3	Limit Corders 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	United Content (National Conte	41 3: 300 199 334 2: 346 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4:	12.11 174.23 10.38	Paid/Received for Market Orders(US Not Payment Paid/Received for Market Orders(US	Net Payment Net Payment Net Payment Paddings cover of paddings	Padd/Received for Montage (1950) Orders(1950) O O O O O O O O O O O O O	Next Payment Next Payment O O O O O O O O O O O O O	Paid Received for Manual Paid Received for Manual Condens(USO) O O O Natt Payment Paid Received for Manual Condens(USO) O O O O O O O O O O O O	Non-Marketable ger hunde det sharet	Pick Processed for Control Vision 1	Prelificacionel for Other Characteristic part haudred Shared O O O O O O O O O O O O O O O O O O O
Cisade Securities LUC(CDMR) Matinada Financial Services LUC(STMR) MATINADA Execution Services, LUC(STMR) MATINADA Execution Services, LUC(STMR) MATINADA Execution Services, LUC(STMR) Matinada Services, LUC(STMR) JAMAS STREET MATINADA Execution Services, LUC(STMR) Block-Cost(SUC) LUC(STMR) Matinada Services, LUC(STMR) Matinada Financial Services, LUC(STMR) Matinada Financial Services LUC(STMR) Matinada Financial Services LUC(STMR) MATINADA Execution Matinada Financial Services LUC(STMR) MATINADA Execution MATINADA Execution Services, LUC(STMR) MATINADA Execut	199 193 116 96 35 18 16 8 4 4 4 Directed d	Market Ord 28.80 27.93 13.89 13.89 5.07 2.60 2.33 1.16 0.58 0.58 Market Ord 0.58 Market Ord 0.58 Market Ord 1.50 0.58 Market Ord 1.50 0.58 1.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	155 5 5 0 82 2 2 0 0 0 177 16 5 5 0 0 0 182 COLOR TOWN Market District Orders 81.14	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 0 Total Non-Marketable Limit Ordens Total Son-Marketable Limit Ordens 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Limit Crolers 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	Umin Content (N) 8	41 3: 3 00 199 3 38 2 38 2 36 6 1 65 1 00 1 00 0 1 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 00 0 0 0 0 0 00 0 0 0 0 00 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 00 0 0 0 0 00 0 0 0 0 00 0 0 0 0 0 00 0	12.11 174.23 10.38 10.38 10.30	Paid/Received for Market Orders(US Nat Payment. Paid/Received for Market Orders(US	Net Pyement Net Pyement Net Pyement Net Pyement Net Pyement Net Pyement O O O O O O O O O O O O O	Padd/Received for Montage (1950) Orders(1950) O O O O O O O O O O O O O	Next Payment Next Payment O O O O O O O O O O O O O	Paid Received for Manual Paid Received for Manual Condens(USO) O O O Natt Payment Paid Received for Manual Condens(USO) O O O O O O O O O O O O	Non-Marketable ger hunde de sharet	Prist, Priscoved the Victoria of the Victoria	Predifference for Control of the Con
Cisade Securities LUCCOMIO National Financial National	199 193 116 96 35 18 16 8 4 4 4 Obtected d	28.80 27.93 11.89 15.07 2.60 2.32 1.16 0.58 0.58 Market Ore 40 Market Ore 785 Orders 785 Orders 19.94 1.24 2.63	155 5 5 0 82 2 2 0 0 0 0 177 165 5 0 0 0 0 182 183 183 183 183 183 183 183 183 183 183	0.00	4 0 2 0 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(N) 2 0 3	Limit Crolers 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	United Content (1974) 8	41 3.3 00 199 38 38 2 38 2 38 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12.11 174.23 10.38	Paid/Received for Market Orders(US	Net Payment Net Payment Net Payment Paddings cover of paddings	Padd/Received for Montel (USO) Orders(USO) O Net Payment Padd/Received for Received for Content (USO) O O O O O O O O O O O O	Next Payment Next Payment O O O O O O O O O O O O O	Paid Received for Manual Received for Manual Received for Manual Received for Control of the Paid Received for Paid Rece	Non-Marketable ger hunde det sharet	Pick Processed for Control Vision 1	Predifference for Other Order (1994) Other Or
Cisade Securities LUCCOMIO National Financial Services LUCCOMIO National Financial Services LUCCOMIO NATIONAL FINANCIA SERVICES NATIONAL SERVICES SERVICES LUCCOMIO New York Stock Services, LUCCOMIO Non-SEP 200 Stocks Services, LUCCOMIO Non-SEP 200 Stocks Summery Venue - Non- districted Order Flow Order LUCCOMIO Non-SEP 200 Stocks Summery Venue - Non- districted Order Flow Order LUCCOMIO Non-SEP 200 Stocks Summery Venue - Non- districted Order Services, LUCCOMIO Non-SEP 200 Stocks Summery Venue - Non- districted Order Services LUCCOMIO Non-SEP 200 Stocks Summery Venue - Non- districted Order Services LUCCOMIO Non- Venue - Non- Districted Order Services LUCCOMIO Non	199 193 116 96 35 18 16 8 4 4 4 Directed d	Market Ord 28.80 27.93 13.89 13.89 5.07 2.60 2.33 1.16 0.58 0.58 Market Ord 0.58 Market Ord 0.58 Market Ord 1.50 0.58 Market Ord 1.50 0.58 1.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	155 5 0 82 2 0 0 17 16 5 0 0 17 16 5 0 0 17 16 5 0 2 17 16 5 0 2 17 16 16 5 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 0 2 0 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(N) 2 0 3	Limit Crolers 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	Limit Orderorbio) 8	41 3.3 00 199 38 38 2 38 2 38 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Cther Orders NC 12.01 Cther Orders NC	Paid/Received for Market Orders(US Nat Payment Paid/Received Market Orders(US	Net Pyement Net Pyement Net Pyement O O O O O O O O O O O O O	Padd/Received for Montel (USO) Orders(USO) O Net Payment Padd/Received for Received for Content (USO) O O O O O O O O O O O O	Next Payment Discovery Control of the Control of t	Paid Received for Manual Received for Manual Received for Manual Received for Control of the Paid Received for Paid Rece	Non-Marketable ger hunde de shares	Proj. Processor Stevens of Steven	Peddylaceoled for Other Characterist part handred shared of the Characterist part hand
Cisade Securities LUCCOMIO National Financial Services LUCCOMIO National Financial Services LUCCOMIO NATIONAL SERVICES Services LUCCOMIO New York Stock Services LUCCOMIO New York Stock LUCCETMIO JAMES TREET CAPTAL LUCCOMIO New York Stock LUCCETMIO Note to Excellent Securities LUCCETMIO Note TOOK US Equities LUCCOMIO Note Took Single Equities LUCCOMIO Note Took Single Equities Securities Securitie	199 193 116 96 35 18 16 8 4 4 4 Volunteded and York of All Total Market 100.00 Volunteded Naco-Directed Conference Naco-Directed	Market Ore 28.80 16.79 13.89 5.67 2.80 2.32 1.16 0.58 0.58 0.58 Market Ore 785 d Market Ore 785 d Market Ore 785 4.22 2.87 1.934 3.24 2.63 2.26 1.58 1.58	155 5 5 0 0 82 2 2 0 0 0 0 177 16 5 5 0 0 0 18 5 18 18 18 18 18 18 18 18 18 18 18 18 18	5.56 6 0.00 0 0.00 0 0.00 0 6.14 1 1.11 1 0.00 0 0.00 0 Marketable Limit 1 1.00 0 Marketable Limit 2 1.00 0	4 0 2 0 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders(N) 2 0 3	Limit Orders 66.67 000 000 000 000 000 000 000 000 000 0	Limit Ordero(13) 8	11 3 3 3 4 5 5 6 2 2 5 6 5 6 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7	Cotter Orders(%)	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Matter Counts per collision of the Count per col	Padd/Received for Montel (MOD) Orders(1/50) O O Net Payment Net Payment Net Payment O O O O O O O O O O O O O	Next Payment Discovery Control of the Control of t	Paul Received for National Condensity Science of Condensity Scienc	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Pick Payment Net Payment O the Order(UD)	Prod/filescoled for Other Charles (Same) On the Charles (Same) On
Cisade Securities LUC(DMS) Matinast Financial Services LUC(STMS) MATINAST Financial Services LUC(STMS) MATINAST Financial Services, LUC(STMS) Matinast Financial Services LUC(STMS) Matinast Financial Matinast Financial Services LUC(STMS) Matinast Financial Services, LUC(STMS) MATINAST Financ	199 193 116 96 35 18 16 8 4 4 4 7 10000 Total Market 10000 Man Directed Cofere(N) 468 397 265 43 35 30 21	22.93 16.79 13.89 16.79 13.89 15.57 2.60 2.32 1.16 0.58 0.58 Market Ord Those Ord Those Ord Those Ord Those Ord Those Ord Those 36.72 2.98.7 18.94 3.24 2.63 2.26 1.58	155 5 5 0 0 82 2 2 0 0 0 0 177 16 5 5 0 0 0 18 5 18 18 18 18 18 18 18 18 18 18 18 18 18	5.56 0.00 0.00 0.00 6.14 5.78 1.81 0.00 0.00 Maniertable Limit Directed Orders 8 Maniertable Limit Orders 0.00 Maniertable Limit 0.00 3.65 4.22 0.00 0.00 3.65 4.00 0.00	4 0 2 0 0 0 0 0 1 Total Non-Marketable Limit Orders Marketable Limit Orders 2 0 3 0 1 0 0 1	Limit Roders 66.67 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Limit Ordero(13) 8	11 3.3 00 199 338 2.3 38 2.3 38 3.2 38 6.6 6.5 6.5 6.7 00 1.7 00	Cother Orders(N)	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Market (conts per collision) National (conts per collision)	Padd/Received for Montel (MOD) Orders(1/50) O O Net Payment Net Payment Net Payment O O O O O O O O O O O O O	Market Spannest. Part Spannest. Paul Spannes	Paul Received for National Condensity Science of Condensity Scienc	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Pick Programment Mark Programment Mark Programment O	Prod/filescoled for Other Charles (Same) On the Charles (Same) On
Cisade Securities LUCCOMIO National Financial Services LUCCOMIO National Financial Services LUCCOMIO NATIONAL SERVICES Services LUCCOMIO New York Stock LUCCHMIO JAME STREET CAPTAL LUCCOMIO New York Stock LUCCETMIO National Services LUCCETMIO Services LUCCETMIO Services LUCCETMIO National Services LUCCETMIO Services LUCCETMIO National Se	199 193 116 96 35 18 16 8 4 4 4 7 10000 Total Market 10000 Man Directed Cofere(N) 468 397 265 43 35 30 21	Market Ore 28.80 16.79 13.89 5.67 2.80 2.32 1.16 0.58 0.58 0.58 Market Ore 785 d Market Ore 785 d Market Ore 785 4.22 2.87 1.934 3.24 2.63 2.26 1.58 1.58	155 5 5 0 0 82 2 2 0 0 0 0 177 16 5 5 0 0 0 18 5 18 18 18 18 18 18 18 18 18 18 18 18 18	5.56 6 0.00 0 0.00 0 0.00 0 6.14 1 1.11 1 0.00 0 0.00 0 Marketable Limit 1 1.00 0 Marketable Limit 2 1.00 0	4 0 2 0 0 0 0 0 1 Total Non-Marketable Limit Orders Marketable Limit Orders 2 0 3 0 1 0 0 1	Limit Chelers 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	Limit OrderoPIX) 8	11 3 3 3 4 5 5 6 2 2 5 6 5 6 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7	Cotter Orders(%)	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Matter Counts per collision of the Count per col	Padd/Received for Montel (MOD) Orders(1/50) O O Net Payment Net Payment Net Payment O O O O O O O O O O O O O	Market Spannest. Part Spannest. Paul Spannes	Paul Received for National Condensity Science of Condensity Scienc	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Pick Payment Net Payment O the Order(UD)	Prod/filescoled for Other Charles (Same) On the Charles (Same) On
Cisade Securities LUCIONIS Matinad Financial Services LUCIONIS Matinad Financial Services LUCIONIS MATINADE SERVICES MAT	199 193 116 96 35 18 16 8 4 4 4 7 10000 100	28.80 27.93 11.89 15.07 2.60 2.32 1.16 0.58 0.58 Market Ord 18.87 19.94 3.24 2.63 3.25 1.58 1.58 1.58 1.58 1.58 1.58 1.58 1.5	155 5 5 0 82 2 2 0 0 17 16 5 5 0 0 127 16 5 5 0 0 227 16 41 0 227 0 0 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	25.56 20.00 20	4 0 2 0 0 0 0 0 1 Total Non-Marketable Limit Orders Marketable Limit Orders(S) 2 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Limit Crolers 66 67 0 00 0 00 0 00 0 00 0 00 0 00 0 0	Limit OrderoPIN) 8	11 3 3 3 3 3 3 3 3 3 3 3 4 3 3 4 3 3 4 3 3 4 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Cotter Orders(%)	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Matter Counts per collision of the Count per col	Padd/Received for Montel (MOD) Orders(1/50) O O Net Payment Net Payment Net Payment O O O O O O O O O O O O O	Market Spannest. Part Spannest. Paul Spannes	Paul Received for National Condensity Science of Condensity Scienc	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Pick Payment Net Payment O the Order(UD)	Prod/filescoled for Other Charles (Same) On the Charles (Same) On
Cisade Securities LUC(COMS) Matinard Financial Services LUC(COMS) Matinard Financial Services LUC(COMS) MATINARY SERVICES MATINARY SERVICE	199 193 116 96 35 18 16 8 4 4 4 7 10000 100	28.80 28.80 28.80 16.79 13.89 5.07 2.60 2.32 1.16 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58	155 5 5 0 82 2 2 0 0 17 16 5 5 0 0 17 16 5 5 0 2 2 17 16 5 5 0 0 17 16 16 16 16 17 16 17 16 17 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	25.56 25.56	4 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Limit Orders 66.67 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Limit Orderorbin) 8	11 3 3 3 3 3 3 3 3 3 3 3 3 3 4 5 3 3 3 4 5 3 3 3 4 5 3 4 5 4 5	Cother Orders(%)	Paid/Recolved for Market Orders(US) Net Payment Paid/Recolved for Market Orders(US)	Matter Counts per collision of the Count per col	Padd/Received for Montel (MOD) Orders(1/50) O O Net Payment Net Payment Net Payment O O O O O O O O O O O O O	Market Spannest. Part Spannest. Paul Spannes	Paul Received for National Condensity Science of Condensity Scienc	Non-Marketable ger hundred shares O O O O O O O O O O O O O	Pick Payment Net Payment O the Order(UD)	Prod/filescoled for Other Charles (Same) On the Charles (Same) On

Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities LLC(CDRG)	Orders(%)	Market Orders	Market Orders(9	Marketable Limit Orders 7.06	Marketable Limit Orders(%)	Non-Marketable Limit Orders 50.00	Non-Marketal Limit Orders!		Other Orders!	Net Payment Paid/Received for Market Orders(US 0.00	Paid/Received for Market Orders(cents per D) 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	Net Payment Paid/Received for Other Orders(cents per hundred shares)	
Wolverine Execution Services LLC(WEXX) Susquehanna	23	23.71	2 !	5.88	0	0.00	21	38.18	0	0.00	0	0	0 (0 () 0	0	. 0	
Capital Group(SUSQ) Dash Financial Technologies	22	22.68	13 38	8.24	4	50.00	5	9.09	0	0.00	0	0	0	0 (1 0	0	0	
LLC(DASH) Morgan Stanley & Company LLC(MSCO)	7	7.22		5.88	0	0.00	5	9.09	0	0.00	0	0	0 1		. 0	0		
EECIMICO	3	3.09		2.54		0.00	2	3.04	0	0.00						0		