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April 2021 S&P 500 Stocks Summary

Orders Orders	All Total Market	Market Orders t of Non-Directe	d Total Markets	Marketable Limit		Non-Marketable Limit Orders as 1 Non-Directed	% of	Other Orders as of Non-Directed	×									
Venues	Orders 100.00	Orders	Limit Orders 93.16	Directed Orders 98 4:	Total Non-Marketable Limit Orders 96	Orders 36	Total Other O	ders Orders 1	1.05									
											Net Payment		Net Payment		Net Payment Paid/Received for		Net Payment	
Venue - Non- Non-Directed	Non-Directer	d		Marketable Limit		Non-Marketable	e Non-Marketa	ole		Net Payment Paid/Received fo Market	Orders(cents per	Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable	per hundred	Paid/Received for	Net Payment Paid/Received for Other Orders(cents per hundred shares)	
directed Order Flow Orders Citadel Securities LLC(CDRG)	Orders(%) 923	Market Orders 34.10	Market Order 869	rs(%) Orders 50.52	Marketable Limit Orders(%)	Limit Orders 50.00	Limit Orders(3.92	Other Orders(%)	Orders(USD)	hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	shares)	Other Orders(USD)	shares))
National Financial Services LLC(XSTM) VIRTU Americas	781	28.85	0	0.00	0	0.00	0	0.00	781 99.	24	0	0	0	0	0	0	0 0)
LLC(NITE) JANE STREET	492	18.18	467	27.15	24	24.49	1	0.98	0 0.1	00	0	0	0	0	0	0	0 0)
CAPITAL, LLC(INST) Two Sigma Securities.	266	9.83	250	14.53	14	14.29	2	1.96	0 0.1	00	0	0	0	0	0	0	0 0)
LLC(SOHO)	62	2.29	55	3.20	7	7.14	0	0.00	0 0.1	00	0	0	0	0	0	0	0 0)
NASDAQ Execution Services, LLC(NSDQ) UBS Securities,	48	1.77	0		0	0.00	48	47.06	0 0.0		0	0	0	0	0	0	0 0	
LLC(UBSS) G1 Execution Services,	46	1.70	42		4	4.08	0	0.00	0 0.		0	0	0	0	0	0	0 0	
LLC(ETMM) New York Stock Exchange(NYSE) Choe EDGX US	37 26	1.37 0.96	37		0	0.00	0 26	0.00 25.49	0 01	00	0	0	0	0	0	0	0 0	
Choe EDGX US Equities Exchange(EDGX)	21	0.78	0	0.00	0	0.00	21	20.59	0 0.	00	0	0	0	0	0	0	0 0)
April 2021																		
Non-S&P 500 Stocks Summary																		
Non-Directed Total Non-Directed Orders as % o	TAIL Total Marke	Market Orders t of Non-Directe	as % d Total Marketa	Marketable Limit		Non-Marketable Limit Orders as 1 Non-Directed	a Ni of	Other Orders as of Non-Directed	%									
Orders Orders	Orders 100.00	Orders	Limit Orders 95.75	Directed Orders 48 1	Total Non-Marketable Limit Orders	Orders	Total Other O 2.82	ders Orders	1.32									
Venues											Net Payment		Net Payment		Net Payment Paid/Received for		Net Payment	
Venue - Non- Non-Directed	Non-Directer			Marketable Limit		Non-Marketable	n Non-Marketa	sle		Net Payment Paid/Received fo Market	Orders(cents per	Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents per hundred		Paid/Received for Other Orders(cents per hundred	
directed Order Flow Orders National Financial	Orders(%)	Market Orders	Market Order		Marketable Limit Orders(%)	Limit Orders	Limit Orders(Other Orders(%)	Orders(USD)	hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)		Other Orders(USD)		
Citadel Securities	2,081	31.66 30.87	0		0	0.00 47.92	13	0.00 2 4.10	081 97. 12 0.		0	0	0	0		0	0 0	
VIRTU Americas, LLC(NITE)	1,135	17.27	1,115	27.42	1.6	33.33	2	0.63	2 0.0	09	0	0	0	0	0	0	0 0)
JANE STREET CAPITAL, LLC(INST) G1 Execution Services.	622	9.46	613	15.07	6	12.50	3	0.95	0 0.	00	0	0	0	0	0	0	0 0)
Services, LLC(ETMM) Two Sigma Securities.	154	2.34	139	3.42	1	2.08	14	4.42	0 0.1	00	0	0	0	0	0	0	0 0)
LLC(SOHO)	142	2.16	132	3.25	0	0.00	10	3.15	0 0.	00	0	0	0	0	0	0	0 0)
NASDAQ Execution Services, LLC(NSDQ) UBS Securities.	103	1.57	0		0		103	32.49	0 0.		0	0	0	0	0	0	0 0	
LLC(UBSS) Choe EDGX US Equities	88	1.34	86		2	4.17	0	0.00	0 01		0	0	0	0	0	0	0 0	
Exchange(EDGX) Instinet BlockCross(BLKX)	66 45	1.00	0		0	0.00	66	0.00	0 0.1 45 2.			0	-	0	-	0	0 0	
April 2021																		
Option Contracts Summary						Non-Marketable												
Non-Directed Total Non-Directed Orders as % o Orders Orders	FAII Total Marker Orders	Market Orders t of Non-Directe Orders	as % d Total Marketa Limit Orders	Marketable Limit able Orders as % of No Directed Orders	n- Total Non-Marketable Limit Orders	Limit Orders as 1 Non-Directed Orders	s % of Total Other O	Other Orders as of Non-Directed	×									
885 Venues	100.00		85.08	22 2.	19		1.75	6	1.68									
										Net Payment	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for	Net Payment	Net Payment Paid/Received for Non-Marketable		Net Payment Paid/Received for	
Venue - Non- Non-Directed directed Order Flow Orders	Non-Directer Orders(%)	d Market Orders	Market Order	Marketable Limit	Marketable Limit Orders (%)	Non-Marketable Limit Orders	e Non-Marketa Limit Orders(!	ole i) Other Orders	Other Orders(%)	Net Payment Paid/Received fo Market Orders(USD)	Paid/Received for	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred	
directed Order Flow Orders Citadel Securities LLC(CDRG)	Orders(%) 423	Market Orders 46.84	356	rs(%) Orders 47.28	7	Limit Orders 31.82	Limit Orders(ole 2) Other Orders 49.18	0 0.	Paid/Received fo Market Orders(USD)	Paid/Received for or 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 per hundred	Paid/Received for	Paid/Received for Other Orders(cents per hundred shares))
directed Order Flow Orders Citadel Securities LLC(CONG) Susquehanna Capital Group(SUSQ) Dash Financial Technologies	Orders(%) 423 301	Market Orders 46.84 33.33	356 273	47.28 36.25	7	Limit Orders 31.82 68.18	Limit Orders(1	(i) Other Orders 49.18 9.84	1 16	Paid/Received fo Market Orders(USD)	Paid/Received for or Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for	Paid/Received for Other Orders(cents per hundred shares)	
directed Order Flow Orders Citadel Securities LLC(CDNG) Susqueharma Capital Group(SUSQ) Dash Financial Technologies LLC(DASH) Morgan Stanley &	Orders(%) 423 301	Market Orders 46.84 33.33 11.07	356 273 77	47.28 47.28 36.25	7	Limit Orders 31.82 68.18	Limit Orders(1	9.84 18.03	0 0.1 1 16.1 1 16.1	Paid/Racehved fo Market Orders(USD) 00 67	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD) 0	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares))
directed Order Flow Orders Chidad Sacurilles LLC(CDRG) Sinquehamna Capital Group(SUSC) Dash Fisancial Technologies LLC(DASH) Morgan Stanley & Company LLC(MSCO) Wolverine	Orders(%) 423 301	Market Orders 46.84 33.33	356 273	47.28 47.28 36.25	7	Limit Orders 31.82 68.18	Limit Orders(1	(i) Other Orders 49.18 9.84	1 16	Paid/Racehved fo Market Orders(USD) 00 67	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares))
directed Order Flow Orders Citadd Security LLC(CDR0) Susquehanna Capital Gerup(SUSCI) Dash Fisancial Technologies LLC(DASH) Morgan Stanley & Company LLC(MSC) Wolverine Essocialon Services LLC(WEX) Interactive Borbars	Orders(%) 423 301	Market Orders 46.84 33.33 11.07 4.32	356 273 77 37	47.28 36.25 10.23 4.91	7	Limit Orders 31.82 68.18 0.00 0.00	Limit Orders(: 60 12 22 2	9.84 9.80 9.84 18.03 1.64	0 0.1 1 16.1 1 16.0 0 0.1	Paid/Received for Market Orders(USD) 000	Paid/Received for Paid/Received for Parket Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable (for Marketable (Paid/Received for Non-Marketod Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Roceived for Other Orders/(USD)	Paid/Received for Other Orders/cents per hundred shares)	0
director Order Flow Orders Classid Securities LLC(CMO) LL	Orders(16) 423 301 100 39	Market Orders 46.84 33.33 11.07 4.32	356 273 77 37	47.28 36.25 10.23 4.91	7 15 0	Limit Orders 31.82 68.18 0.00	Limit Orders[: 60 12 22	(4) Other Orders 49.18 9.84 18.03	0 0.1 1 16.1 1 16.1 0 0.1	Paid/Received for Market Orders(USD) 000	Paid/Received for Paid/Received for Parket Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable (for Marketable (Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders/cents per hundred shares)	0
directed Order Flow Orders Citadd Security LLC(CDR0) Susquehanna Capital Gerup(SUSCI) Dash Fisancial Technologies LLC(DASH) Morgan Stanley & Company LLC(MSC) Wolverine Essocialon Services LLC(WEX) Interactive Borbars	Orders(16) 423 301 100 39	Market Orders 46.84 33.33 11.07 4.32	356 273 77 37	47.28 36.25 10.23 4.91	7	Limit Orders 31.82 68.18 0.00 0.00	Limit Orders(: 60 12 22 2	9.84 9.80 9.84 18.03 1.64	0 0.1 1 16.1 1 16.0 0 0.1	Paid/Received for Market Orders(USD) 000	Paid/Received for Paid/Received for Parket Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable (for Marketable (Paid/Received for Non-Marketod Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Roceived for Other Orders/(USD)	Paid/Received for Other Orders/cents per hundred shares)	0
Greated Order Flow Orders Casied Seconding Casied Seconding Casied Seconding Casied Seconding Compare Casied Casie	Orders(%) 423 301 100 39 36 4	Market Orders 46.84 33.33 11.07 4.32 3.99 0.44	356 273 77 37 10	47.28 47.28 36.25 10.23 4.91 1.33 0.00	7	Limit Orders 31.82 68.18 0.00 0.00 0.00	Limit Orders(): 60 12 22 2 0	9.84 9.84 18.03 1.64 21.31 0.00 Other Orders as	0 0.1 1 16.1 1 16.1 0 0.1 4 66.1	Paid/Received for Market Orders(USD) 000	Paid/Received for Paid/Received for Parket Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable (for Marketable (Paid/Received for Non-Marketod Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Roceived for Other Orders/(USD)	Paid/Received for Other Orders/cents per hundred shares)	0
director Order Flow Orders Classid Securities Classid Securities Classid Securities Classid Securities Compared Compared LLC(DASC) Compared LLC(DA	Orders(%) 423 301 100 39 36 4	Market Orders 46.84 33.33 11.07 4.32 3.99 0.44 Market Orders t of Non-Directe Orders	356 273 77 37 10	47.28 47.28 36.25 10.23 4.91 1.33 0.00	7 15 0 0 0 0 Tatal Roo-Marketahlu Linki Orders	Limit Orders 31.82 68.18 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Limit Orders(): 60 12 22 2 0	Other Orders 49.18 9.84 18.03 1.64 Other Orders as Other Orders as Other Orders as Orders Orders	0 0.1 1 16.1 1 16.1 0 0.1 4 66.1	Paid/Received for Market Orders(USD) 000	Paid/Received for Paid/Received for Parket Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable (for Marketable (Paid/Received for Non-Marketod Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Roceived for Other Orders/(USD)	Paid/Received for Other Orders/cents per hundred shares)	0
director Order Flow Orders Classid Securities Classid Securities Classid Securities Classid Securities Compared Compared LLC(DASC) Compared LLC(DA	Orders(%) 423 301 100 39 36 4 Total Market Orders	Market Orders 46.84 33.33 11.07 4.32 3.99 0.44 Market Orders t of Non-Directe Orders	356 273 77 37 10 0 as % Total Marketeria	47.28 47.28 36.25 10.23 4.91 1.33 0.00 Marketable Linit Directed Orders	7 15 0 0 0 0 Tatal Roo-Marketahlu Linki Orders	Limit Orders 31.82 68.18 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Limit Orders() 60 12 22 2 2 0 8 K of	Other Orders 49.18 9.84 18.03 1.64 Other Orders as Other Orders as Other Orders as Orders Orders	0 0.1 1 16.1 1 16.7 0 0.1 4 66.7	Pali/Miceled fo Market Orders(USD) 00 67 67	Paid Received for Warrist Order (cents per humber) Order (cents per hum	Paid/Missived for Marketable Linux Orders (USD) 0 0 0 0	Paid/Microbred for Marketable Limit Marketable Limit Marketable Limit Orders/conts per June 100 more of the 10	Paid/Mechael for Non-Marketable Limit Orden(USD)	Paid (Received for November 1971) Control Con	Paid/Roceived for Other Orders/(USD)	Printf Precional for Other Order/Other Other O	,
director Order Flow Orders CLUCION CONTROL CON	Orders(%) 423 301 100 30 36 4 IAB Total Market Orders 00000	Market Orders 46.54 33.33 31.107 4.32 3.99 0.44 4.32 3.99 2.44 5.44 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0	356 273 77 37 10 0 as 55 Total Markets Unit Orders 33.33	nchicle Onders 47.28 47.28 47.28 47.28 4.02 1.133 6.00 Marketable Linein Directed Onders 6.00 Marketable Linein	7 SS O O O Total Non-Marketable Unit Orders	Limit Cordens 31.82 65.18 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Limit Orders() 60 12 22 22 26 0 Kod Total Other O	0.10 Other Orders 40.11 1.8.00 1.64 1.8.00 1.64 1.8.00 1.64 1.8.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0 0 1 160 1	Paid/Received for Market Orders(USD) 000	Paid filesciend for Warfeld Market Market David Starte O O O O O O O O O O O O O	Paid Paraised for Marketable Limit Marketable Limit Orders (USD) O Nat Payment Paid Paccined for Paid Paccined for Paid Paccined for Marketable Limit Marketa	Paid/Received for Manaceshi Limit Conference of the Conference of	Paid/Marketable Limit Order(USD)	Paid (Neceived for Neceived for Nece	Paid/Received for Other Order(USD)	Pridd Precived for Other Order (control of the Other Order) Control of the Other Order) Control of the Other	1
director Order Flow Orders Classife Securities Classife Securities Compare Compare Compare Compare LLC((MCO) Modernia Classife Compare LLC((MCO) Modernia Mo	Orders(%) 423 301 100 39 36 4 I All Total Market Orders	Market Orders 46:54 31:33 31:07 4:32 3:99 0:44 4:24 0:44 0:44 0:45 0:45 0:45 0:45 0:45 0:4	356 273 77 37 10 0 as % Total Marketeria	Outers Outers	7 15 0 0 0 0 Tatal Roo-Marketahlu Linki Orders	13.82	Limit Orders() 60 12 22 2 2 0 0 K of Total Other O	0.10 Other Orders 40.11 1.8.00 1.64 1.8.00 1.64 1.8.00 1.64 1.8.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0 0.1 1 16.1 1 16.7 0 0.1 4 66.7	Pald/Miceshed for Market Orders (USO) 000 000 000 000 000 000 000 000 000 0	Paid Received for Warret Mortest On Mortest On Mortest On Mortest On O O O O O O O O O O O O O O O O O O	Paid/Received for Marketable Limit Marketable Limit Marketable Limit Orders (USD) O Net Payment. Paid/Received for Paid/Received State Paid/Rece	Paid Placecined for Manker calcilla Limits Control for Manker calcilla Limits Control for Manker calcillations of the Manker calcillation of the Manker calcillation of the Manker calcillation of the Manker calcillation of	Paid/Marchined for National Marchined State Limit Orders (UID) O O O O O O O O O O O O O	Paid (Precived for film) from Montal Administration of the Control	Paid/Received for Other Order(USD)	Pridd Precived for Other Order (control of the Other Order) Control of the Other Order) Control of the Other	1
direction Order Flow Orders of Colors of Color	Order(%) 423 301 100 39 36 4 TAB Total Market Orders Order(%)	Market Orders 46.54 33.33 11.07 4.32 3.99 0.44 1	336 273 77 37 10 0 See V. Contait Marketa Market Order 0	oders 47.28 47.28 45.21 4.51 1.33 0.00 Manaradala Limit and Konfaradala Limit and	7 15 0 0 0 Total Non-Marketable Limit Orders Marketable Limit Orders Marketable Limit Orders Marketable Limit Orders Non-Marketable Limit Orde	Lank Cordens 31.82 64.18 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Limit Orders() 60 12 22 2 2 2 60 Total Other O	0.10 Other Orders 9.54 1.60 1.64 22.31 0.00 Other Orders Orders 2 Other Orders Orders	0 0.1 1 16.1 1 16.1 0 0.1 4 66.1	Pald/Received fo Market Orders (USD) 67 67 67 67 67 68 Fall Payments Pald Received fo Market Market Orders (USD) 69 600 600 600 600 600 600 600	Paddiffusiwed for Valence of Control of Cont	Paid Paraised for Marketable Limit Marketable Limit Orders (USD) O Nat Payment Paid Paccined for Paid Paccined for Paid Paccined for Marketable Limit Marketa	Paid/Received for Mankenshib Limits Amendment Limits Control of the Control of	Paid/Neceived for No. Market Payment Not Payment Paid/Neceived for No. Marketable No. Marketable	Paid (Neceived for Management of the Committee of the Com	Paid/Received for Other Orders(USO) Net Payment Paid/Received for Other Orders(USO) O	Prid Placeward for Other Order(colored for Other Order(colored for Other Order(colored for Other Other(colored for Other Other(colored for Other Order(colored for Other Order(colored for Other Order(colored for Other Order(colored for Other Other(colored for	1
director Order Flow Orders of Colors	Onders(%) 423 301 100 39 36 4 Total Market Orders 00.00 Ness-Directed(%) 5,527 1,425	Market Orders 4.32 3.36 4.32 3.99 0.44 4.32 4.32 4.30 0.44 4.30 Market Orders 56.77 1.64 8.68	356 273 37 37 10 0 10 0 Market Orders 0	And the second s	7 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Link Coders 1.5	Limit Orders() 60 12 22 26 0 8 K of Total Other O 6.62 Bloom Marketta Cherry() 15-527 292 0	00-bit Orders 9.84 1.64 22.31 0.00 Other Orders Orders Orders Orders A 38 0.00 Other Orders 4.38	0 0 0 0 1 1 16.1 16.1 16.1 16.1 16.1 16.	PalifyRicebee for Market Orders (USD) 67 67 67 67 77 PalifyRicebee for Market Payment PalifyRicebee for Market Payment Cheese (USD) 24 25	Padd Residend for Value of the Value of	Paid Proceived for Marketsbull Limit Orders (1958) Next Payment Community C	Paid/Received for Reference for Communication of Communic	Paid/Microbed for Non-Marketalia Limit Orders(UID) O Interpolation of the Payment Control of the Payment Control of the Cont	Paid Precised for full control of the control of th	Pad/Pacianted for Other Order(QLD) Net Payment Pad/Pacianted for Other Order(QLD) Net Payment Pad/Pacianted for Other Order(QLD)	Proj.	
director Order Flow Orders of Colors	Orders(15) 423 301 100 30 30 36 4 FAIL Total Market Orders Non-Director Orders(15) 5,127 1,425	Market Orders 46.54 33.33 11.07 4.32 3.99 0.44 1	356 273 77 37 10 0 Total Market Orders Market Orders	And the second s	7 15 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Link Coders 1.5	Limit Orders() 60 12 22 22 26 0 Total Other O 6.62 Non-Marketa	0.10 Other Orders 0.15 0.20 0.164 0.160 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0 0 0 0 1 1 16.6 1 1 16.6 1 1 16.6 1 1 1 16.6 1 1 1 1	PalifyRicebee for Market Orders (USD) 67 67 67 67 77 PalifyRicebee for Market Payment PalifyRicebee for Market Payment Cheese (USD) 24 25	Padd Residend for Value of the Value of	Paid Proceived for Marketsbull Limit Orders (1958) Next Payment Community C	Paid/Received for Reference for Communication of Communic	Paid/Microbed for Non-Marketalia Limit Orders(UID) O Interpolation of the Payment Control of the Payment Control of the Cont	Paid Precised for full control of the control of th	Pad/Pacianted for Other Order(QLD) Net Payment Pad/Pacianted for Other Order(QLD) Net Payment Pad/Pacianted for Other Order(QLD)	Preid/Precised for Other Order(cents designed for Other Order(cents designed for Other Oth	
director Order Flow Orders of Colors	Onders(%) 423 301 100 39 36 4 Total Market Orders 00000 Ness-Directed(%) 5,527 1,425	Market Orders 4.32 3.36 4.32 3.99 0.44 4.32 4.32 4.30 0.44 4.30 Market Orders 56.77 1.64 8.68	356 273 37 37 10 0 10 0 Market Orders 0	Outers Outers	7 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Lamit Cordens 31.82 66.13 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Limit Orders() 60 12 22 26 0 8 K of Total Other O 6.62 Bloom Marketta Cherry() 15-527 292 0	00-bit Orders 9.34 1.64 22.31 0.00 Other Orders Orders Orders Orders A 38 0.00 Other Orders 4.38	0 0 0 0 1 1 16.1 16.1 16.1 16.1 16.1 16.	Paid/fiscebed fo Market Orders(USO) 77 77 77 77 77 78 78 78 78 7	Padd Residend for Manager of Mana	Paid Proceived for Marketsbull Limit Orders (1958) Next Payment Community C	Peid/Received for find for finding and fin	Paid/Nacehold for National State (March 1997) Description of the Payment Paid (National State (March 1997)) Nat Payment Paid (National State (March 1997)) Description of the National State (March 1997) Description of t	Paid Precised for Limit Order/cont. Net Precised Net Precised Net Precised Net P	Pad/Parcived for Other Orders(USO) Bits Payment Pad/Received for Other Orders(USO) O O O O O O O O O O O O	Pedd Processed for Observed Served Se	
directors Order Flow Orders Classife Securities Capital Company Company LLE(MICO) Molectors Company LLE(MICO) Molectors Congrate Company LLE(MICO) Molectors Congrate Company LLE(MICO) Molectors Company Molectors Company LLE(MICO) Molectors Company Molectors Molector	Orders(%) 423 301 100 30 36 4 Total Market Orders Non-Directs Orders(%) 5,327 1,425 845	Market Orders 46.54 4.32 1.07 4.32 3.59 0.44 4.00 Market Orders 55.77 14.64 8.68 8.68 7.76	356 273 77 37 10 0 Total Market Order 0 Market Order 0 0 510	Outers Outers	7 15 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Lamit Cordens 31.82 66.13 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.0	Limit Orders() 60 12 22 2 2 2 2 60 Total Other Of 602 Non-Marketa	0.00 Other Orders 0.18 0.00 Other Orders 0.00 Other Orders 0.00 Other Orders 10 Other Orders 12 00 Other Orders 12 00 Other Orders 13 0.00 Other Orders 14 18 0.00 Other Orders 14 18 0.00 Other Orders 15 0.00 Other Orders	0 0.01 1 16.1 1 16.1 0 0.01 0 0.01 4 66.1 Cither Orders(N) 0 0.1 2 0.0 2 0.0 345 90.00	Pala Payment Paym	Padd Residend for Manager of Mana	Paid President for Market School Conference of Conference	Peid/Received for find for finding and fin	Paid/Nacehold for National State (March 1997) Description of the Payment Paid (National State (March 1997)) Nat Payment Paid (National State (March 1997)) Description of the National State (March 1997) Description of t	Paid Precised for Limit Order/cont. Net Precised Net Precised Net Pr	Pad/Parcived for Other Orders(USO) Net Pyrment Pad/Parcived for Other Orders(USO) Other Orders(USO) Other Orders(USO)	Pedd Processed for Observed Served Se	
direction Order Flow Orders discontinued of the Flow Orders discontinued orders discontinu	Orders(%) 423 301 100 39 36 4 4 Total Market Orders Non-Directs Orders(%) 5,127 1,425 501 400 93	Market Orders 46.54 33.33 11.07 4.32 3.59 0.44 4.00 Market Orders 2,300 d. Market Orders 56.77 14.64 8.68 8.68 7.76 5.15	356 273 77 37 10 0 Total Market Order 0 Market Order 0 0	Outers Outers	7 15 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Lank Cordens 31.82 66.18 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Limit Orders() 60 12 22 22 26 0 Total Other O 662 Non-Marketa Other O Limit Orders() 527 292 0 175	0 Other Orders 0.18 0.20 0 Other Orders 164 0.00 0 Other Orders 122 00 4.38 0.00 0 Other Orders 122 00 4.38 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0 0 0 0 1 1 16.0 16.0 16.0 16.0 16.0 16.	Pala (Nace and In Control of Cont	Padd Residend for Manager of Mana	Paid President for Market State (1995) Net Payment Paid President State (1995) Net Payment Paid President State (1995) O O O O O O O O O O O O O O O O O O O	Pedd/Received for find for finding and fin	Paid Payment Nat Payment Paid Payment Pai	Paid Precised for Link Code Section 2 of the Link Code Sec	Pad/Parcived for Other Orders(IstO) Met Payment Pad/Received for Other Orders(IstO) Other Orders(IstO) Other Orders(IstO) Other Orders(IstO)	Pedd Processed for Observed for	
direction Order Flow Orders of Colors of Color	Cordent(%) All Cordent(%) All Cordent Cordent Non-Director Cordent(%) 5.527 1.425 845 501 400 93	Market Orders 4 32 3 33 3 3 11.07 7 432 2 11.07 7 11.0	356 273 77 37 10 0 Total Market Orders 23.23 Market Orders 0 316 71 76	200 200	7 15 16 17 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Line Coders Line Coders 1.00 0.00 0.00 0.00 Non-Markstalds Line Coders at 1 Orders Non-Markstalds Line Coders 0.00 0.00 5.40.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Limit Ordered	00-18 Orders 0-18 18-20 1-164 1.164 22.31 0.00 Char Orders of from Greenal of from Greenal of from Greenal 1.2 2.30 0.00 2.42 2.42 7.47 1.16 0.33 0.16	0 0 0 0 1 1 16.1 16.1 16.1 16.1 16.1 16.	Pala (Programmer Nacional Control Cont	Paddificacional for Microscope for Coders (Coders Section Sec	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fo	Paid Pyrement New Pyrement Paid Pyrement Py	Paid Precised for Charles of the Charles	Pads/Passived for Other Order(USO) Net Payment Pads/Passived for Payment Pads/Passived for Other Order(USO) O O O O O O O O O O O O	Pedd Placewheet for Observed the Color Observed the	
Greated Order Flow Orders Classification (Control of Control C	Orders(%) 423 301 100 39 36 4 4 Total Market Orders Non-Directs Orders(%) 5,127 1,425 501 400 93	Market Orders 46.54 4.32 4.32 4.32 4.32 4.32 4.32 4.32 4.33 3.99 0.44 Market Orders 67.77 1.66 8.68 8.68 7.76 5.15 4.11 0.56	356 273 77 37 10 0 Telinal Market Order Market Order 0 0 0 11,139 0 0 71	October October	7 15 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Lank Codern 31.82 66.13 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Control Content	Other Orders 0.18 0.24 1.64 Other Orders Other Orders 0.00 Other Orders 0.00 Other Orders 1.20 Other Orders 1.20 Other Orders 1.20 1.31 Other Orders 1.32 Other Orders 1.33 Other Orders 1.34 Other Orders 1.35 Other Orders 1.36 Other Orders 1.36 Other Orders 1.36 Other Orders 1.36 Other Orders	0 0 0 0 1 1 16.0 16.0 16.0 16.0 16.0 16.	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Processed for Observed for	
direction Order Flow Orders discontinued of the Flow Orders discontinued orders discontinu	Cordent(%) All Total Market FAIL Total Market FA	Market Orders 4 32 3 33 3 3 11.07 7 432 2 3 159 0.44 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	356 273 77 37 10 0 Total Market Orders 27.23 Market Orders 0 316 71 76 40	October October	7 15 16 17 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Line Coders 1	Limit Ordered	00 observed 01	0 0 0 0 1 1 16 16 1 16 1 16 1 16 1 16 1	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Placewheet for Other Observations of the Other Observations of th	
direction Order Flow Orders Classife Securities Classife Securities Compare Co	Cordent(%) All Total Market FAIL Total Market FA	Market Orders 4 32 3 33 3 3 11.07 7 432 2 3 159 0.44 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	356 273 77 37 10 0 Total Market Orders 27.23 Market Orders 0 316 71 76 40	October October	7 15 16 17 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Line Coders 1	Limit Ordered	00 observed 01	0 0 0 0 1 1 16 16 1 16 1 16 1 16 1 16 1	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Placewheet for Other Observations of the Other Observations of th	
Greated Order Flow Orders Classife Securities Classife Securities Company LECTOR Of	Corden(%) 423 301 100 39 36 4 4 Total Market Corden(%) Non-Director Corden(%) 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Market Orders 46.54 33.33 11.07 4.32 3.99 0.44 4.32 4.00 Market Orders 56.77 14.64 8.68 7.76 5.15 4.11 0.56 0.89 0.89 0.64	356 273 77 37 10 0 **S V Total Market Market Order Nairket Order 0 0 11129 0 0 7 17 76 40 0	Outer Outer	7 15 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Lank Cordens 31.82 68.13 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00	Limit Ordered	Other Orders 1.64 Other Orders 1.65 Other Orders 1.74 Other Orders 0.00	0 0 0 0 1 1 16 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Placewheet for Other Observations of the Other Observations of th	
direction Collect Flow Orders of Collection	Corden(%) 423 301 100 39 36 4 4 Total Market Corden(%) Non-Director Corden(%) 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Market Orders 1 1107 4 12 1 199 0.44 1 107 1 1	356 273 77 37 10 0 **S V Total Market Market Order Nairket Order 0 0 11129 0 0 7 17 76 40 0	Manual M	7 15 0 0 1 1 Total Non-Marketable Limb Orders 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Link Coders 1	Limit Ordered	Other Orders 1.64	0 0 0 0 1 1 16 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Placewheet for Other Observations of the Other Observations of th	
direction Order Flow Orders of Colors and Color Flow Orders of Colors and Col	Cordenc(%) All Total Market 100 Non-Direction Non-Direction 140 Non-Direction 140 140 140 151 140 151 140 151 140 151 140 151 140 151 140 151 140 151 151	Market Orders 1 1107 4 12 1 199 0.44 1 107 1 1	356 273 77 37 10 0 Total Market Order 1,1129 0 316 71 76 40 0 **Total Market Order 0 **Total Market	Outer Outer	7 15 0 0 1 1 Total Non-Marketable Limb Orders 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Link Coders 1	Limit Ordered Control Control	Other Orders 1.64	0 0 0 0 1 1 16 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Pala (Programmer) All Programmers All Program	Paddificacional for incident and incident an	Paid Processed for Machanish (Machanish (Mac	Pedd/Received for fixed fixed for fixed for fixed fixed for fixed fixed for fixed fi	Paid Pyrement Into Orders (USO)	Paid Precised for Charles of the Charles	Pad/Padvavied for Other Order(IdO) Net Payment Pad Payment Pad Payment O O O O O O O O O O O O O	Pedd Placewheet for Other Observations of the Other Observations of th	

Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities LLC(CDRG)	Non-Directed Orders(%)	Market Orders 24.57 1	Market Orders	Marketable Limit (%) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders 54.93	Non-Marketab Limit Orders(%		Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred) shares) 0 0 0
Matienal Separat																	
New York Stock	1,717	23.97		0.00		0.00		0.00 1,7			0			0	0		0 0
Exchange(NYSE) VIRTU Americas,	1,590	22.20		0.00					0 0					0	0	0	0 0
LLC(NITE) JANE STREET	981	13.70	917	27.82 1	9	26.76	45	2.24	0 0	00	0	0	0	0	0	0	0 0
CAPITAL, LLC(INST)	511	7.13	478 1	14.50		11.27	25	1.25	0 0	00	0	0	0	0	0	0	0 0
NASDAQ Execution																	
Services, LLC(NSDQ) Two Sigma	131	1.83	0	0.00	0	0.00	131	6.52	0 0	.00	0	0	0	0	0	0	0 0
Securities, LLC(SOHO)	122	1.70	108	3.28	2	2.82	12	0.60	0 0	00	0	0	0	0	0	0	0 0
boe EDGX US quities																	
Exchange(EDGX) G1 Execution Services,	111	1.55	0	0.00	0	0.00	111	5.53	0 0	.00	0	0	0	0	0	0	0 0
LLC(ETMM) UBS Securities	104	1.45	92	2.79	2	2.82	10	0.50	0 0	00	0	0	0	0	0	0	0 0
LLC(UBSS)	65	0.91	63	1.91	1	1.41	1	0.05	0 0	00	0	0	0	0	0	0	0 0
May 2021																	
Option Contracts Summary Non-Directed Total Non-Directed Orders as % of. Orders	All Total Market Orders 00.00	Market Orders a of Non-Directed Orders 542 7:	as % I Total Marketab Limit Orders 9.36	Marketable Limit Orders as % of Non Directed Orders 51 7.4	- Total Non-Marketable Umit Orders	Non-Marketable Limit Orders as % Non-Directed Orders	t 6 of Total Other On 2.45	Other Orders as 3 of Non-Directed rders Orders									
Venues	00.00	542 /	1.30	51 //4		85 12		5 U	,,3		Net Payment		Net Payment		Net Payment Paid/Received for Non-Marketable		Net Payment Paid/Received for
Venue - Non- Non-Directed	Non-Directed			Marketable Limit		Non-Marketable	Non-Marketah	hle		Net Payment Paid/Received for Market	Paid/Received for Market Orders(cents per	Net Payment Paid/Received for Marketable Limit	Paid/Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non-Marketable	Non-Marketable Limit Orders(cents per hundred	Net Payment Paid/Received for	Paid/Received for Other Orders(cents per hundred
Venue - Non- Non-Directed directed Order Flow Orders Citadel Securities	Non-Directed Orders(%)	Market Orders	Market Orders	Marketable Limit (%) Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketab Limit Orders(%		Other Orders(%)	Market Orders(USD)	Orders(cents per hundred shares)	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Non-Marketable Limit Orders(USD)	per hundred shares)	Paid/Received for Other Orders(USD)	per hundred) shares)
itadel Securities LC(CDRG)	333	48.05	263 4	48.52 2	3	44.23	47	50.00	0 0	00	0	0	0	0	0	0	0 0
Capital Group(SUSO)	244	35.21	214 3	39.48 2		46.15	,	6.38	0 0				0	0		0	0 0
Dash Financial	244	35.21	214 :	19.48 2	•	46.15	6	6.38	0 0	.00	0	0	o o	o .	0	0	0 0
echnologies LC(DASH)	49	7.07	32	5.90	2	3.85	12	12.77	3 60	00	0	0	0	0	0	0	0 0
Aorgan Stanley & Company	33	4.76	28	5.17		5.77	2	2.13	0 0	00		0	0			0	0 0
LC(MSCO)	35	4.76	18	5.17	•	5.77	1	4.15	u 0.	uu	0	0	0	0	u	U	0 0
Volverine xecution Services	22	463	,					20.72									
LC(WEXX) nteractive Brokers	32	4.62		0.92				28.72		00			-	0	-		0 0
LC(IBKR)	2	0.29	0	0.00		0.00	0	0.00	2 40	00	0	0	0	0	0	0	0 0
une 2021 &P 500 Stocks																	
Non-Directed Orders of Orders	Orders	Market Orders a of Non-Directed Orders	Total Marketab	Directed Orders	- Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % Non-Directed Orders	G of Total Other On	Other Orders as 9 of Non-Directed orders Orders									
2,540 1i	00.00	2,272 8	9.45	189 7.4	4	78 3	3.07	1 0.	.04		Net Payment		Net Payment		Net Payment		Net Payment
										Net Payment Paid/Received for Market	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 Limit Orders(cents	Net Payment	Net Payment Paid/Received for Other Orders(cents
Venue - Non- Non-Directed directed Order Flow Orders	Non-Directed Orders(%)	Market Orders	Market Orders	Marketable Limit	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non-Marketab Limit Orders!%	ble G) Other Orders	Other Orders(%)	Market Orders(USD)	Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	per hundred shares)	Net Payment Paid/Received for Other Orders/USDI	per hundred
Citadel Securities	Orders(%) 1,197			(%) Orders 49.68 9		52.41		23.36	Other Orders(%)		hundred shares)	Orders(USD)	hundred shares)	Limit Orders(USD)	shares)	Other Orders(USD)) shares)
National Financial	1,197	32.70	μ/3 -	19.00 9	•	32.41	25	23.30		ue .				u			
iervices LLC(XSTM)	1,128	30.82	0	0.00	0	0.00	0	0.00 1,1	28 93	53	0	0	0	0	0	0	0 0
ARTU Americas, LC(NITE)	643	17.57	581 2	26.90 4	5	24.06	17	15.89	0 0	00	0	0	0	0	0	0	0 0
ANE STREET																	
APITAL, LLC(INST) Iwo Sigma	358	9.78	320 1	14.81 2	9	15.51	9	8.41	0 0	00	0	0	0	0	0	0	0 0
iecurities, LC(SOHO)	82	2.24	76	3.52	5	2.67	1	0.93	0 0	.00	0	0	0	0	0	0	0 0
instinet BlockCross(BLKX)	77	2.10	0	0.00	0	0.00	0	0.00	77 6	38	0	0	0	0	0	0	0 0
S1 Execution Services,																	
LLC(ETMM) UBS Securities.	68	1.86		3.01	3	1.60		0.00	0 0		0			0	0		0 0
LLC(UBSS) New York Stock	49	1.34		2.08	3	1.60	1	0.93		00	0		0	0	0		0 0
Exchange(NYSE) Choe EDGX US	25	0.68	0	0.00	2	1.07	23	21.50	0 0	00	0	0	0	0	0	0	0 0
quities exchange(EDGX)	17	0.46	0	0.00	0	0.00	17	15.89	0 0	00	0	0	0	0	0	0	0 0
lune 2021																	
Summary Non-Directed		Market Orders a	s%	Marketable Limit		Non-Marketable Limit Orders as %	of	Other Orders as 9	4								
Summary Non-Directed Total Non-Directed Orders as % of. Orders Orders	Orders	of Non-Directed Orders	Total Marketab	ble Orders as % of Non Directed Orders	- Total Non-Marketable Limit Orders	Limit Orders as % Non-Directed Orders	Total Other On	of Non-Directed rders Orders									
Total Non-Directed Orders as % of Orders Orders	All Total Market Orders 00.00	of Non-Directed Orders	as % I Total Marketab Limit Orders 55.58	Marketable Limit ble Orders as % of Non Directed Orders 76 1.2	- Total Non-Marketable Umit Orders 5	Limit Orders as % Non-Directed Orders	t G of Total Other On 2.97	Other Orders as 5 of Non-Directed rders Orders 12 0.							Not Browned		
Summary Non-Directed Total Non-Directed Orders 0,092 11 Venues Venue - Non-Non-Non-Directed	Orders 00.00	of Non-Directed Orders 5,823 9:	Total Marketab Limit Orders 5.58	Directed Orders 76 Marketable Limit	5	Limit Orders as % Non-Directed Orders 181 2	Total Other On 2:97	of Non-Directed Orders Orders 12 0.	20	Net Payment Paid/Received for Market	Net Payment Paid/Received for Market Orders(cents per	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/Neceived for Marketable Limit Orders(cents per	Paid/Received for Non-Marketable	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred	Paid/Rereived for	Net Payment Paid/Received for Other Orders(cents per hundred
Non-Directed Total Non-Directed Total Non-Directed Orders as % of Orders 6,092 11 Venuss - Non- Non-Directed directed Order Flow Orders	Orders 00.00	of Non-Directed Orders	Total Marketab	Directed Orders 76 Marketable Limit	Total Non-Marketable Limit Orders Marketable Limit Orders(%)	Limit Orders as % Non-Directed Orders 181 2	Total Other On 2-97	of Non-Directed Orders Orders 12 0.		Paid/Received for	Paid/Received for Market	Paid/Received for	Paid/Received for Marketable Limit	Paid/Received for	Paid/Received for Non-Marketable Limit Orders(cents	Net Payment Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents ner bundred
Non-Directed Coders as % of Orders 6,092 11 Venue - Non- Non-Directed insected Orders 11 Venue - Non- Non-Directed insected Order Flow Orders	Orders 00.00	of Non-Directed Orders 5,823 9:	Total Marketab Limit Orders (5.58) Market Orders	Directed Orders 76 Marketable Limit	5 Marketable Limit Orders(%)	Limit Orders as % Non-Directed Orders 181 2	Total Other On 2:97	of Non-Directed Orders Orders 12 0.	20 Other Orders(%)	Paid/Received for Market Orders(USD)	Paid/Received for Market Orders(cents per	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents ner bundred
Non-Directed Float Non-Directed Orders as % of Orders 6,072 Venues Venues Non- Non- Non-Directed directed Order Flow Orders National Financial services (LECEM)	Orders 00.00 Non-Directed Orders(%)	of Non-Directed Orders 5,823 9: Market Orders 34.62	Total Marketab Limit Orders 5.58 Market Orders	Die Orders as % of Non Directed Orders 76 1.2 Marketable Limit (%) Orders	5 Marketable Limk Orders(%)	Limit Orders as % Non-Directed Orders 181 2 Non-Marketable Limit Orders	Total Other On 2.97 Non-Marketab Limit Orders(%	of Non-Directed orders Orders 0.00 Other Orders	20 Other Orders(%)	Paid/Received for Market Orders(USD)	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred shares)
Internative Nan-Directed Orders as % of Orders Nano-Directed Directed Order Nano-Directed Directed Order Nano-Directed Nano-Directed Nano-Directed Nano-Directed Order Nano-Directed Nano-Directed Order Nano-Directed Nano-Directed Order Nano-Directed Nano-Directed Order Nano-Directed Nano-D	Orders 00.00 Non-Directed Orders(%)	of Non-Directed Orders 9: 5,823 9: Market Orders 34.62 30.30 2.	Total Marketab Limit Orders Market Orders 0 0 4	Directed Orders as % of Non Directed Orders 76 1.2 Marketable Limit (%) Orders	S Marketable Limk Orders(%) 0	Limit Orders as % Non-Directed Orders 181 2 Non-Marketable Limit Orders	Total Other On 2:97 Non-Marketab Limit Orders(%)	of Non-Directed orders Orders 0.00 Other Orders	Other Orders(%) 441 97 8 0	Paid/Received for Market Orders(USD)	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred) shares)
Wen-Directed Total Non-Directed Orders 6,092 Venues 6,092 11 Venues Venues Nam- Hen-Directed Grinder Flow Orders Matchad Transcall Hermit Grinder Flow Uniform LECONION	Orders 00.00 Non-Directed Orders(%) 3,341 2,924	of Non-Directed Orders 5,823 9: Market Orders 34.62 30.30 2, 17.45 1,	Total Marketab Limit Orders Market Orders 0 0 1,859 4 1,649	Orders as % of Nem	S Marketable Limit Orders(N3) O S	Limit Orders as 15 Non-Director School Control	Total Other On 2.97 Non-Marketab Limit Orders(% 0 21 6	of Non-Directed dress Orders 122 0.0 ble Other Orders 0.0 0.00 3.3 5.05	Other Orders(%) 41 97 8 0 4 0	Paid/Received for Market Orders(USD) 38 23	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred) shares) 0 0 0 0
Isomonary Mon. Diseased Orders Mon. Diseased Orders 6,002 10 Orders Mon. Bion. Diseased Orders Mon. Bion. Diseased Orders Machinesed Order Flow Orders Machinesed Order Flow Orders Machinesed Machine	Orders On.00 Non-Directed Orders(%) 3,341	of Non-Directed Orders 5,823 9: Market Orders 34.62 30.30 2, 17.45 1,	Total Marketab Limit Orders Market Orders 0 0 1,859 4 1,649	Orders as % of Non Directed Orders 76 1.2 Marketable Limit Orders 0.00 9	S Marketable Limit Orders(N3) O S	Limit Orders as % Non-Directed Orders 181 2 Non-Marketable Limit Orders 0.00 48.00	Total Other On 2.97 Non-Marketab Limit Orders(% 0 21 6	of Non-Directed of Sonders Orders 0.00 Other Orders 0.00 3.3	Other Orders(%) 441 97 8 0	Paid/Received for Market Orders(USD) 38 23	Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit Orders(USD)	Paid/Received for Marketable Limit Orders(cents per hundred shares)	Paid/Received for Non-Marketable Limit Orders(USD)	Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Received for Other Orders(USD)	Paid/Received for Other Orders(cents per hundred) shares) 0 0
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