William Blair Sell Side - Held NMS Stocks and Options Order Routing Public Report Generation Date: 2021-01-06 13:17:56.370 GMT -0400 Year: 2020

 2020	uarter:	A

October 2020				S&P 500 Stocks									
Summary		Adaminata bia Lisa it Ondosa an	Non-Marketable Limit Orders										
	rket Orders as Percent of Non-		as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders 100,00%	Directed Orders 95.79%	Orders 0.35%	Orders 2.40%	Non-Directed Orders									
	95.79%	0.33%	2.40%	1.40%									
Venues - Non Directed Orders													
				Non-Marketable Limit Orders			Net Payment Paid/Received	Net Payment Paid/Received Marketable Limit Orders	Net Payment Paid/Received	Net Payment Paid/Received Non-Marketable Limit Orders	Net Payment Paid/Received		Net Payment Paid/Received Other Orders (cents per
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	for Market Orders (USD)	for Market Orders (cents per hundred shares)	(USD)			(cents per hundred shares)	Other Orders (USD)	hundred shares)
Citadel Securities LLC	33.40%	33.66%	37.50%	33.73%	14.85% 5.94%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wall Street Access Virtu Americas LLC	33.16% 32.41%	33.47% 32.87%	41.67% 20.83%	36.14% 30.12%	5.94% 8.91%	0	0.0000 0.0000	0		0	0.0000 0.0000	0	0.0000 0.0000
Clearpool Execution Services,													
LLC (CPEM) NASDAQ - All Markets	0.74% 0.16%	0.00%	0.00%	0.00% 0.00%	50.50% 10.89%	0		0		0	0.0000	6,600.0000	3,000.0000 0.0000
New York Stock Exchange													
(XNYS)	0.13%	0.00%	0.00%	0.00%	8.91%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
October 2020				Non-S&P 500 Stocks									
Summary		Marketable Limit Orders as	Non-Marketable Limit Orders										
Non-Directed Orders as Mai	rket Orders as Percent of Non-		as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders 100.00%	Directed Orders 93.00%	Orders 1.56%	Orders 4.71%	Non-Directed Orders 0.72%									
	93.00%	1.56%	4.71%	0.72%									
Venues - Non Directed Orders							Not Daymont Daid/Ressived	Not Daymont Daid/Rossius	Net Payment Paid/Received	Not Daymont Baid /Re	Not Daymont Baid /Re		Net Payment Paid/Received
				Non-Marketable Limit Orders		Net Payment Paid/Received	for Market Orders (cents per	Marketable Limit Orders		Non-Marketable Limit Orders		Net Payment Paid/Received	Other Orders (cents per
Venue Citadel Securities LLC	Non-Directed Orders (%) 33.46%	Market Orders (%) 33.22%	Marketable Limit Orders (%) 45.45%	(%) 36.18%	Other Orders (%) 21.31%	for Market Orders (USD)	hundred shares) 0.0000	(USD)	(cents per hundred shares) 0.0000	(USD)	(cents per hundred shares) 0.0000	Other Orders (USD)	hundred shares) 0.0000
Virtu Americas LLC	33.33%	33.63%	22.73%	31.66%	29.51%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wall Street Access Clearpool Execution Services,	33.04%	33.16%	31.82%	32.16%	26.23%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
LLC (CPEM)	0.14%	0.00%	0.00%	0.00%	19.67%	0	0.0000	0	0.0000	0	0.0000	8,057.3999	3,000.0000
NASDAQ - All Markets	0.02%	0.00%	0.00%	0.00%	3.28%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
October 2020				Option Contracts									
Summary													
Non-Directed Orders as Mai	rket Orders as Percent of Non-		Non-Marketable Limit Orders as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders	Directed Orders	Orders	Orders	Non-Directed Orders									
100.00%	50.40%	16.92%	32.31%	0.37%									
Venues - Non Directed Orders													
				Non-Marketable Limit Orders		Net Payment Paid/Received	Net Payment Paid/Received for Market Orders (cents per		Net Payment Paid/Received Marketable Limit Orders			Net Payment Paid/Received	Net Payment Paid/Received Other Orders (cents per
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	(%)	Other Orders (%)	for Market Orders (USD)	hundred shares)		(cents per hundred shares)	(USD)	(cents per hundred shares)	Other Orders (USD)	hundred shares)
National Financial Services LLC	100.00%	100.00%	100.00%	100.00%	100.00%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
November 2020				S&P 500 Stocks									
Summary													
Non-Directed Orders as Mai	rket Orders as Percent of Non-		Non-Marketable Limit Orders as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders	Directed Orders	Orders	Orders	Non-Directed Orders									
100.00%	91.54%	0.30%	1.85%	6.31%									
Venues - Non Directed Orders													
				Non-Marketable Limit Orders		Net Payment Paid/Received	Net Payment Paid/Received for Market Orders (cents per	Net Payment Paid/Received Marketable Limit Orders	Net Payment Paid/Received Marketable Limit Orders	Net Payment Paid/Received Non-Marketable Limit Orders	Net Payment Paid/Received Non-Marketable Limit Orders	Net Payment Paid/Received	Net Payment Paid/Received Other Orders (cents per
Venue	Non-Directed Orders (%)		Marketable Limit Orders (%)	(%) 27.45%	Other Orders (%)	for Market Orders (USD)	hundred shares)	(USD)	(cents per hundred shares)	(USD)	(cents per hundred shares)	Other Orders (USD)	hundred shares)
Virtu Americas LLC Citadel Securities LLC	31.66% 31.38%	33.83% 33.43%	24.00% 28.00%	27.45% 34.64%	1.72% 0.96%	0	0.0000 0.0000	0		0	0.0000 0.0000	0	0.0000 0.0000
Wall Street Access	30.85%	32.70%	48.00%	37.91%	1.15%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Clearpool Execution Services, LLC (CPEM)	2.94%	0.00%	0.00%	0.00%	46.65%	0	0.0000	0	0.0000	0	0.0000	69,671.9297	2,996.1523
New York Stock Exchange (XNYS)	1.67%	0.00%	0.00%	0.00%	26.39%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
(XNYS) NASDAQ - All Markets	1.67%	0.00% 0.00%	0.00%	0.00%	26.39% 20.27%	0		0			0.0000	0	0.0000
Credit Suisse Securities (usa)	0.08%	0.00%	0.00%	0.00%	1 34%	0	0.0000		0.0000	0	0.0000	0	0.0000
LLC	0.08%	0.00%	0.00%	0.00%	1.34%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Bay Crest Partners, LLC New York Stock Exchange	0.04%	0.03%	0.00%	0.00%	0.19%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
(NYSE)	0.01%	0.01%	0.00%	0.00%	0.00%	-67	-30.0000	0	0.0000	0	0.0000	0	0.0000
November 2020				Non-S&P 500 Stocks									
November 2020 Summary				Non-S&P 500 Stocks									
			Non-Marketable Limit Orders										
Non-Directed Orders as Mai Percent of All Orders	rket Orders as Percent of Non- Directed Orders	Percent of Non-Directed Orders	as Percent of Non-Directed Orders	Other Orders as Percent of Non-Directed Orders									
100.00%	87.97%	2.55%	7.13%	2.35%									
Venues - Non Directed Orders													
co mon on ected Orders							Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received		Net Payment Paid/Received
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders (USD)	for Market Orders (cents per hundred shares)	Marketable Limit Orders (USD)		Non-Marketable Limit Orders (USD)	Non-Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/Received Other Orders (USD)	Other Orders (cents per hundred shares)
Citadel Securities LLC	33.75%	33.78%	49.53%	37.88%	3.06%	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wall Street Access Virtu Americas LLC	32.41% 31.38%	33.66% 32.54%	24.53% 25.94%	28.96% 28.28%	4.59% 3.06%	0		0		0	0.0000 0.0000	0	0.0000 0.0000
	31.38%	32.34%	25.94%	20.28%	3.0b%	U	0.0000	U	0.0000	U	0.0000	U	0.0000

Generation Date: 2021-01-06 1 Year: 2020 Clearpool Execution Services,			g Public Report										
	13:17:56:370 GMT-0400 Quarter: 4												
	Quarter: 4												
LC (CPEM)	1.02%	0.00%	0.00%	0.34%	42.35%	0	0.0000	0	0.0000	1,093.8679	877.9741	36,435.9414	2,998.3
ew York Stock Exchange													
(NYS)	0.50%	0.00%	0.00%	0.17%	20.92%	0		0	0.0000	0	0.0000	0	0.0
ASDAQ - All Markets	0.49% 0.06%	0.00% 0.00%	0.00%	0.34% 0.34%	19.90% 1.53%	0		0	0.0000	0	0.0000	0	0.0
YSE Arca arclays ATS	0.05%	0.00%	0.00%	0.34%	0.00%	0		0	0.0000	0	0.0000	0	0.0
arciays ATS learnool Execution Services	0.02%	0.00%	0.00%	0.34%	0.00%	U	0.0000	U	0.0000	U	0.0000	U	0.0
LC (CPGX)	0.02%	0.00%	0.00%	0.34%	0.00%	0	0.0000	0	0.0000	0	0.0000	0	0.00
ids Trading L.P.	0.02%	0.00%	0.00%	0.34%	0.00%	0		0	0.0000	0	0.0000	0	0.00
lovember 2020 ummary				Option Contracts									
		Marketable Limit Orders as	Non-Marketable Limit Orders										
	Market Orders as Percent of Non-		as Percent of Non-Directed										
Percent of All Orders		Orders		Non-Directed Orders									
100.00%	49.37%	16.99%	33.31%	0.33%									
enues - Non Directed Orders	i												
										Net Payment Paid/Received			Net Payment Paid/Receiv
enue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders (USD)	for Market Orders (cents per hundred shares)	Marketable Limit Orders (USD)		Non-Marketable Limit Orders 1 (USD)	(cents per hundred shares)	Net Payment Paid/Received Other Orders (USD)	Other Orders (cents hundred shar
ational Financial Services,		•					·	(,	,	()	(,		
c	100.00%	100.00%	100.00%	100.00%	100.00%	0	0.0000	0	0.0000	0	0.0000	0	0.00
ecember 2020				S&P 500 Stocks									
ummary				3&F 300 3tocks									
Non Directed Orders	Market Orders as Percent of Non-		Non-Marketable Limit Orders as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders	Directed Orders	Orders	Orders	Non-Directed Orders									
100 00%	94.39%	0.40%	2 58%	2 64%									
100.00%	34.33%	0.4070	2.30/0	2.0470									
enues - Non Directed Orders	i .												
										Net Payment Paid/Received			Net Payment Paid/Receive
				Non-Marketable Limit Orders			for Market Orders (cents per	Marketable Limit Orders		Non-Marketable Limit Orders 1			Other Orders (cents p
enue	Non-Directed Orders (%) 34.24%		Marketable Limit Orders (%) 25.00%	(%)	Other Orders (%) 6.58%	for Market Orders (USD)	hundred shares) 0.0000	(USD)	(cents per hundred shares) 0.0000		(cents per hundred shares) 0.0000	Other Orders (USD)	hundred share 0.00
tadel Securities LLC	33.59%	34.86% 34.23%	47.92%	41.03% 34.62%	7.52%	0		0	0.0000	0	0.0000	0	0.00
Vall Street Access	30.05%	30.91%	27.08%	24.36%	5.33%	0		0		0	0.0000	0	0.00
learpool Execution Services,		*******			******	-		-		-	******	-	****
LC (CPEM)	1.06%	0.00%	0.00%	0.00%	40.13%	0	0.0000	0	0.0000	0	0.0000	152,541.1250	2,992.85
lew York Stock Exchange													
(NYS)	0.69%	0.00%	0.00%	0.00%	26.33%	0		0		0	0.0000	0	0.00
ASDAQ - All Markets	0.36%	0.00%	0.00%	0.00%	13.48%	0		0	0.0000	0	0.0000	0	0.00
ATS Global Markets lew York Stock Exchange	0.01%	0.00%	0.00%	0.00%	0.31%	0	0.0000	0	0.0000	0	0.0000	0	0.00
NYSE)	0.01%	0.00%	0.00%	0.00%	0.31%	0	0.0000	0	0.0000	0	0.0000		
												-45.0000	-30.00
											0.0000	-45.0000	-30.000
December 2020				Non-S&P 500 Stocks							0.000	-45.0000	-30.000
iummary		Marketable Limit Orders as	Non-Marketable Limit Orders								0.5550	-45.0000	-30.000
ummary Jon-Directed Orders as	Market Orders as Percent of Non-	Percent of Non-Directed	as Percent of Non-Directed	Other Orders as Percent of								-45.0000	-30.000
ummary Ion-Directed Orders as Percent of All Orders	Market Orders as Percent of Non- Directed Orders	Percent of Non-Directed Orders	as Percent of Non-Directed Orders	Other Orders as Percent of Non-Directed Orders							0.000	-45.0000	-30.000
ummary	Market Orders as Percent of Non-	Percent of Non-Directed	as Percent of Non-Directed	Other Orders as Percent of								-45.0000	-30.00
ummary Ion-Directed Orders as Percent of All Orders	Market Orders as Percent of Non- Directed Orders 88.51%	Percent of Non-Directed Orders	as Percent of Non-Directed Orders	Other Orders as Percent of Non-Directed Orders									
ummary Ion-Directed Orders as ercent of All Orders 100.00%	Market Orders as Percent of Non- Directed Orders 88.51%	Percent of Non-Directed Orders 2.21%	as Percent of Non-Directed Orders 8.14%	Other Orders as Percent of Non-Directed Orders 1.14%			Net Payment Paid/Received for Market Orders (cents per	Net Payment Paid/Received Marketable Limit Orders	Net Payment Paid/Received Marketable Limit Orders	Net Payment Paid/Received Non-Marketable Limit Orders N	Net Payment Paid/Received Ion-Marketable Limit Orders	Net Payment Paid/Received	Net Payment Paid/Receive Other Orders (cents per
on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders	Market Orders as Percent of Non- Directed Orders 88.51%	Percent of Non-Directed Orders 2.21% Market Orders (%)	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%)	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%)	Other Orders (%)	for Market Orders (USD)	Net Payment Paid/Received for Market Orders (cents per hundred shares)	Net Payment Paid/Received Marketable Limit Orders (USD)	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/Received Non-Marketable Limit Orders N	Net Payment Paid/Received ion-Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/Received Other Orders (USD)	Net Payment Paid/Receive Other Orders (cents per hundred shares)
ummary on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders enue tadel Securities LLC	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98%	Other Orders (%) 15.19%	for Market Orders (USD) 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Non-Marketable Limit Orders N (USD) 0	Net Payment Paid/Received ton-Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Other Orders (USD)	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00
on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders enue tadel Securities LLC tru Americas LLC	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57% 34.26%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.82%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.41%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45%	Other Orders (%) 15.19% 5.70%	for Market Orders (USD) 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Non-Marketable: Limit Orders N (USD) 0 0	Net Payment Paid/Received ion-Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Other Orders (USD) 0	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00
on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders enue - Non Directed Orders enue ladel Securities LLC rtru Americas LLC all Street Access	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98%	Other Orders (%) 15.19%	for Market Orders (USD) 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Non-Marketable Limit Orders N (USD) 0	Net Payment Paid/Received ton-Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Other Orders (USD)	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00
on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders enue enue Ladel Securities LLC trut Americas LLC all Street Access learpool Execution Services,	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57% 34.26%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.62% 29.73%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.41%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45% 28.57%	Other Orders (%) 15.19% 5.70%	for Market Orders (USD) 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000	Net Payment Paid/Received Non-Marketable: Limit Orders N (USD) 0 0	Net Payment Paid/Received ton-Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000	Net Payment Paid/Received Other Orders (USD) 0 0 0	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00 0.00
ummary Ion-Directed Orders as ercent of All Orders 100.00%	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57% 34.26% 29.33%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.82%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.44% 28.76%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45%	Other Orders (%) 15.19% 5.70% 5.06%	for Market Orders (USD) 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Non-Marketable Limit Orders N (USD) 0 0	Net Payment Paid/Received ion-Marketable Limit Orders (cents per hundred shares) 0.0000	Net Payment Paid/Received Other Orders (USD) 0	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00 0.00 2.992.31
ummary on-Directed Orders as arcent of All Orders 100.00% enues - Non Directed Orders tadel Securities LLC irtu Americas LLC irtu Americas LLC all Street Access learpool Execution Services, LC £(C/EPM)	Market Orders as Percent of Non- Directed Orders 88.51%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.82% 29.73% 0.00% 0.00%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.41% 28.76% 0.00% 0.00%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45% 28.57% 0.00% 0.00%	Other Orders (%) 15.19% 5.70% 5.06% 35.44% 20.25%	for Market Orders (USD) 0 0 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received I Non-Marketable Limit Orders N (USD) 0 0 0	Net Payment Paid/Received non-Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Other Orders (USD) 0 0 58,366.3477	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00 0.00 0.00 2.992.3
unmary on-Directed Orders as ercent of All Orders 100.00% enues - Non Directed Orders enue and enue tadel Securities LLC trut Americas LLC lall Streat Access earpool Execution Services, C (CPEM) ASDAQ. All Markets ew York Stock Exchange NYNS)	Market Orders as Percent of Non- Directed Orders 88.51% Non-Directed Orders (%) 35.57% 34.26% 29.33% 0.40%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.82% 29.73% 0.00%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.41% 28.76% 0.00%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45% 28.57%	Other Orders (%) 15.19% 5.70% 5.06% 35.44%	for Market Orders (USD) 0 0 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000	Net Payment Paid/Received I Non-Marketable Limit Orders N (USD) 0 0 0	Net Payment Paid/Received fon-Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000	Net Payment Paid/Received Other Orders (USD) 0 0 58,366.3477	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00 0.00 0.00 2.992.3
ummary on-birected Orders as ercent of All Orders 100.00% enues - Non Directed Orders tadel Securities LLC tru Americas LLC all Street Access earpool Execution Services, C (PEM) ASDAQ - All Markets we York Stock Exchange NYS)	Market Orders as Percent of Non- Directed Orders (%) 88.51% Non-Directed Orders (%) 35.57% 34.26% 29.33% 0.40% 0.23% 0.17%	Percent of Non-Directed Orders 2.21% Market Orders (%) 35.45% 34.82% 29.73% 0.00% 0.00% 0.00%	as Percent of Non-Directed Orders 8.14% Marketable Limit Orders (%) 41.83% 29.41% 28.76% 0.00% 0.00% 0.00%	Other Orders as Percent of Non-Directed Orders 1.14% Non-Marketable Limit Orders (%) 37.98% 33.45% 28.57% 0.00% 0.00%	Other Orders (%) 15.19% 5.07% 5.06% 35.44% 20.25% 14.56%	for Market Orders (USD) 0 0 0 0 0 0	Net Payment Paid/Received for Market Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Marketable Limit Orders (USD) 0 0 0 0	Net Payment Paid/Received Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Non-Marketable Limit Orders N (USD) 0 0 0	Net Payment Paid/Received ton-Marketable Limit Orders (cents per hundred shares) 0.0000 0.0000 0.0000 0.0000	Net Payment Paid/Received Other Orders (USD) 0 0 58,366.3477 0	Net Payment Paid/Receive Other Orders (cents per hundred shares) 0.00 0.00 2.992.31 0.00
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