William Blair Sell Side - Held NMS Stocks and Options Order Routing Public Report

Venues - Non Directed Orders

Venue Virtu Americas LLC (NITE) Non-Directed Orders (%) 33.48%

Generation Date: 2024-07-06 14 Year: 2024 0	4:16:02.910 GMT -0400 Quarter: 2												
April 2024				S&P 500 Stocks									
Summary			Non-Marketable Limit Orders										
Non-Directed Orders as	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%	97.20%	0.90%	1.80%	0.09%									
Venues - Non Directed Orders													
							Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received		Net Payment Paid/Receive
				Non-Marketable Limit Orders			for Market Orders (cents per	Marketable Limit Orders				Net Payment Paid/Received	
Venue Virtu Americas LLC (NITE)	Non-Directed Orders (%) 35.54%	Market Orders (%) 35.38%	Marketable Limit Orders (%) 41.24%	(%) 41.24%	Other Orders (%) 40.00%	for Market Orders (USD) 0.0000	hundred shares) 0.0000	(USD) 0	(cents per hundred shares) 0.0000	(USD)	(cents per hundred shares) 0.0000	Other Orders (USD)	hundred share: 0.000
Citadel Securities LLC (CDRG)													
chader securites the (cond)	35.24%	35.26%	39.18%	32.47%	30.00%	0.0000	0.0000	0	0.0000	0	0.0000	0	0.000
Wall Street Access (VNDM)	29.22%	29.36%	19.59%	26.29%	30.00%	0.0000	0.0000	0	0.0000	0	0.0000	0	0.000
April 2024 Summary				Non-S&P 500 Stocks									
			Non-Marketable Limit Orders										
Non-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									
100.00%	95.59%	1.10%	3.02%	Non-Directed Orders 0.29%									
Venues - Non Directed Orders													
							Net Payment Paid/Received		Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received		Net Payment Paid/Receive
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)		for Market Orders (cents per hundred shares)	Marketable Limit Orders	Marketable Limit Orders (cents per hundred shares)		Non-Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/Received Other Orders (USD)	
	Non-Directed Orders (%)	Warket Orders (%)	Warketable Limit Orders (%)	(70)	Other Orders (%)	TOT IMARKET OTHERS (USD)	nunureu snares)	(USD)	(cents per nunureu snares)	(030)	(cents per nunureu snares)	Other Orders (OSD)	nunureu snares
Citadel Securities LLC (CDRG)	35.24%	35.04%	50.42%	37.80%	15.63%	0.0000	0.0000	0	0.0000	0	0.0000	0	
Virtu Americas LLC (NITE)	34.76%	34.97%	26.89%	32.32%	21.88%	0.0000	0.0000	0	0.0000	0	0.0000	0	0.000
Wall Street Access (VNDM)	29.86%	29.99%	22.69%	29.88%	15.63%	0.0000	0.0000	0	0.0000	0	0.0000	0	0.000
BOFA Securities, Inc. (MLCO)	0.14%	0.00%	0.00%	0.00%	46.88%	0	0.0000	0	0.0000	0	0.0000	0	-0.940
born securities, me. (meeo)	0.1470	0.00%	0.00%	0.00%	40.00%	· ·	0.0000	0	0.0000	· ·	0.0000	· ·	0.540
April 2024				Option Contracts									
Summary		Marketable Limit Orders as	Non-Marketable Limit Orders										
Non-Directed Orders as	Market Orders as Percent of Non-		as Percent of Non-Directed	Other Orders as Percent of									
Percent of All Orders 100 00%	Directed Orders 68 09%	Orders 6.37%	Orders	Non-Directed Orders 6.49%									
100.00%	68.09%	6.37%	19.06%	6.49%									
Venues - Non Directed Orders													
							Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received	Net Payment Paid/Received		Net Payment Paid/Receive
				Non-Marketable Limit Orders			for Market Orders (cents per	Marketable Limit Orders	Marketable Limit Orders	Non-Marketable Limit Orders	Non-Marketable Limit Orders	Net Payment Paid/Received	
Venue National Financial Services	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	(%)	Other Orders (%)	for Market Orders (USD)	hundred shares)	(USD)	(cents per hundred shares)	(USD)	(cents per hundred shares)	Other Orders (USD)	hundred shares
LLC (NFSC)	100.00%	100.00%	100.00%	100.00%	100.00%	0	0.0000	0	0.0000	0	0.0000	0	0.000
Material Aspects: Citadel Securities LLC - William	Blair did not receive payment for o	order flow from CDRG for these	trades										
Virtu Americas LLC - William Bla	lair did not receive payment for ord	er flow from NITE for these tra	des.										
	air did not receive payment for ord :- William Blair did not receive payr												
BOFA Securities, Inc William I	Blair may be charged fees for order	rs executed in Alternative Tradi	ng Systems. Orders routed furt	her by MLCO are sent to excha	nges which incur fees and reb	ates based on the exchange rule	es, as approved by the SEC, and	are non-negotiable.					
MLCO may pass to William Blair	r any execution fees and rebates in	curred for routing the orders w	rith an additional routing fee.										
May 2024				S&P 500 Stocks									
Summary				JOI JOU STOCKS									
			Non-Marketable Limit Orders	01 01									
Non-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									
100.00%		1.13%	2.78%	0.49%									
Venues - Non Directed Orders													
venues - Non Directed Orders													
									Net Payment Paid/Received				Net Payment Paid/Received
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)		for Market Orders (cents per hundred shares)		Marketable Limit Orders (cents per hundred shares)		Non-Marketable Limit Orders (cents per hundred shares)		
Citadel Securities LLC (CDRG)													
Virtu Americas LLC (NITE)	33.42% 33.34%	33.33% 33.28%	34.62% 32.69%	35.69% 36.86%	35.56% 26.67%	0	0.0000	0	0.0000	0	0.0000	0	
Wall Street Access (VNDM)	33.24%	33.39%	32.69%	27.45%	37.78%	0	0.0000	0	0.0000	0	0.0000	0	0.000
May 2024				Non-S&P 500 Stocks									
Summary													
Non-Directed Orders as	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%	94.34%	1.29%	4.11%	0.26%									

Non-Marketable Limit Orders) (%) 6 35.74%

Market Orders (%) Marketable Limit Orders (%) 33.40% 33.97%

Net Payment Paid/Received Net Payment Paid/Received Off Market Orders (cents per USD) hundred shares) (USD) (25.00%) 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0.0000 0

Net Payment Paid/Received
d Other Orders (cents per
) hundred shares)
0 0.0000

Generation Date: 2024-07-06	de - Held NMS Stocks and (6 14:16:02.910 GMT -0400	Options Order Routin	ng Public Report										
Year: 2024 Citadel Securities LLC (CDRG)	Quarter: 2												
	33.40%	33.23%		35.54%	40.63%			0					
Wall Street Access (VNDM)	33.12%	33.37%	28.21%	28.71%	34.38%	0	0.0000	0	0.000) (0.0000	0	0.0000
May 2024 Summary				Option Contracts									
			Non-Marketable Limit Orders										
Non-Directed Orders as Percent of All Orders	as Market Orders as Percent of Non- ers Directed Orders	Percent of Non-Directed Orders	as Percent of Non-Directed	Other Orders as Percent of Non-Directed Orders									
100.00%		7.11%		11.50%									
Venues - Non Directed Order	ers												
				Non-Marketable Limit Orders		Net Course to Daild (Course and	Net Payment Paid/Received for Market Orders (cents per		Net Payment Paid/Received		Net Payment Paid/Received Non-Marketable Limit Orders		Net Payment Paid/Received Other Orders (cents per
Venue	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	(%)	Other Orders (%)			(USD)			(cents per hundred shares)		
National Financial Services	400 0001				400.000								
LLC (NFSC)	100.00%	100.00%	100.00%	100.00%	100.00%	0	0.0000	0	0.000) (0.0000	0	0.0000
Material Aspects:													
	iam Blair did not receive payment for on Blair did not receive payment for ord												
	Blair did not receive payment for orde LLC - William Blair did not receive payn												
rational Financial Services Li	LLC - William Blair did not receive payi	nent for order now from NFSC	r for triese trades										
June 2024				S&P 500 Stocks									
Summary		Marketable Limit Orders as	Non-Marketable Limit Orders										
	as Market Orders as Percent of Non-	Percent of Non-Directed	as Percent of Non-Directed										
Percent of All Orders		Orders 1.01%		Non-Directed Orders 0.40%									
Venues - Non Directed Order	ers												
				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 Non-Marketable Limit Orders		Net Payment Paid/Received Other Orders (cents per
Venue	Non-Directed Orders (%)		Marketable Limit Orders (%)	(%)	Other Orders (%)	for Market Orders (USD)	hundred shares)	(USD)					hundred shares)
Virtu Americas LLC (NITE)	33.97%	33.99%	34.38%	32.14%	36.00%	0	0.0000	0	0.0000) (0.0000	0	0.0000
Citadel Securities LLC (CDRG)	33.85%	33.77%	37.50%	34.29%	44.00%	0	0.0000	0	0.0000) (0.0000	0	0.0000
Wall Street Access (VNDM)	32.18%	32.24%	28.13%	33.57%	20.00%	0	0.0000	0	0.0000) (0.0000	0	0.0000
June 2024				Non-S&P 500 Stocks									
Summary		Marketable Limit Orders as	Non-Marketable Limit Orders										
Non-Directed Orders as	Market Orders as Percent of Non-		as Percent of Non-Directed										
Percent of All Orders 100.00%	Directed Orders 92.53%	Orders 1.87%	Orders 5.11%	Non-Directed Orders 0.50%									
Venues - Non Directed Order													
renues - Non Directed Order	ers												
				Non-Marketable Limit Orders		Not Payment Paid /Passived	Net Payment Paid/Received for Market Orders (cents per				Net Payment Paid/Received Non-Marketable Limit Orders	Not 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)	(USD)	(cents per hundred shares)	(USD)	(cents per hundred shares)	Other Orders (USD)	hundred shares)
Citadel Securities LLC (CDRG)	i) 34.39%	34.06%	40.11%	39.05%	27.66%	0	0.0000		0.000) (0.0000	0	0.0000
Virtu Americas LLC (NITE)	34.39% 33.64%	33.79%		39.05%	31.91%			0					
Wall Street Access (VNDM)	31.95%	32.15%	25.42%	30.17%	38.30%	0	0.0000	0	0.000) (0.0000	0	0.0000
BOFA Securities, Inc. (MLCO)) 0.01%	0.00%		0.00%	2.13%	0	0.0000	0	0.000) (0.0000	0	0.0000
June 2024				Option Contracts									
Summary				option contracts									
	as Market Orders as Percent of Non-	Marketable Limit Orders as Percent of Non-Directed	Non-Marketable Limit Orders										
Percent of All Orders		Orders		Other Orders as Percent of Non-Directed Orders									

Venues - Non Directed Orders

Net Payment Paid/Received Net Payment Paid/R Non-Marketable Limit Orders Venue National Financial Services LLC (NFSC) Non-Directed Orders (%) Market Orders (%) Marketable Limit Orders (%) (%) 100.00%

Material Aspects:
Citade Securities LLC - William Blair did not receive payment for order flow from CDRG for these trades.
Virtu Americas LLC - William Blair did not receive payment for order flow from NITE for these trades.
Wall Street Access - William Blair did not receive payment for order flow from VNDM for these trades.
National Financial Services LLC - William Blair did not receive payment for order flow from MLCD for these trades BOFA Securities, Inc. - William Blair did not receive payment for order flow from MLCD for these trades.