GFIS - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

October 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

Venues

Venue - Non- directed Order Flow	Non- Mark Directed Order Orders (%) (%)		Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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Material Aspects:

October 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

Venues

Non-	Net Payment Paid/ Net Payment Paid/ Net Payment Net Payment Received for Non- Received for Non- Paid/Received for Received for Other Marketable Limit Marketable Limit Other Orders(cents per
directed Directed Orders Limit Orders Marketable Orders Paid/Received for Received for	hundred shares) Orders(USD)

Material Aspects:

October 2022

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	0.00	0.00	100.00

Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
Nasdaq ISE (XISX)	24.45	0.00	0.00	0.00	24.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	685.7500	1.7674
CBOE Exchange (XCBO)	12.70	0.00	0.00	0.00	12.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-619.6000	-5.0000
BOX Exchange (XBOX)	8.15	0.00	0.00	0.00	8.15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-643.6000	-5.0000
XPSE (XPSE)	7.05	0.00	0.00	0.00	7.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-369.0500	-5.0000
NYSE Mkt Llc (XASE)	6.27	0.00	0.00	0.00	6.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-116.6500	-5.0000
Miami Intl Exchange (XMIO)	5.96	0.00	0.00	0.00	5.96	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-97.9200	-5.0241
Nasdaq GEMX, LLC (GMNI)	5.80	0.00	0.00	0.00	5.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-123.5000	-5.0000
Nasdaq PHLX (XPHO)	5.33	0.00	0.00	0.00	5.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-86.5000	-5.0000
Cboe BZX Options Exchange (BATO)	4.23	0.00	0.00	0.00	4.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-230.4000	-5.0000
C2 Options Exchange, Inc. (C2OX)	3.92	0.00	0.00	0.00	3.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-195.6000	-5.0000
Cboe EDGX Options (EDGO)	3.13	0.00	0.00	0.00	3.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-63.8000	-5.0000
Nasdaq Options (XNDQ)	2.35	0.00	0.00	0.00	2.35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-89.4500	-20.8508
MIAX Emerald, LLC. (EMLD)	2.19	0.00	0.00	0.00	2.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-47.7500	-5.0000

Material Aspects: Nasdaq ISE (XISX):

GFI Securities LLC or "GFI" accesses the US options exchanges on this report via Dash Financial Technologies or otherwise known as consolidator which route our orders to exchanges for execution on an agency basis. Consolidators charge a commission rate for certain products and services and will pass through net fees or rebates incurred to execute GFI orders on exchanges. The passed through rebates credits or billing adjustments from Consolidator and these rates are therefore reflected in our Net Payments for this report. Depending on its overall trading activity, the Consolidator may receive better volume-based rates including placement in preferential rate tiers on an exchange fees schedule. For clarity, GFI is not party to the payment arrangements between the Consolidator and the Option Exchanges and is only privy to transaction rates are there and is only privy to transaction rates are there to be the consolidator.

CBOE Exchange (XCBO):

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BOX Exchange (XBOX):

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XPSE (XPSE):

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NYSE Mkt Llc (XASE):

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Miami Intl Exchange (XMIO):

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Nasdaq GEMX, LLC (GMNI):

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Nasdag PHLX (XPHO):

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Cboe BZX Options Exchange (BATO):

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C2 Options Exchange, Inc. (C2OX):

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Cboe EDGX Options (EDGO):

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Nasdag Options (XNDQ):

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MIAX Emerald, LLC. (EMLD):

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November 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

Venues

Venue - Non- directed Order Flow	Directed Ord	arket Marketable rders Limit Orders (%) (%)	Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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Material Aspects:

November 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

Venues

Venue - Non- directed Order Flow	Non- Directed Orders (%) (%)	Marketable Limit Orders (%)	it Orders Mark	Non-Oth Iarketable Orde mit Orders (% (%)		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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)	
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Material Aspects:

November 2022

Options

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Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	0.00	0.00	100.00

Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CBOE Exchange (XCBO)	24.08	0.00	0.00	0.00	24.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,092.4500	-5.0000
Nasdaq ISE (XISX)	19.39	0.00	0.00	0.00	19.39	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,461.6997	0.6182
NYSE Mkt Llc (XASE)	10.41	0.00	0.00	0.00	10.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-109.5500	-5.0000
Miami Intl Exchange (XMIO)	9.80	0.00	0.00	0.00	9.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-49.5000	-5.0000
XPSE (XPSE)	8.98	0.00	0.00	0.00	8.98	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-720.5500	-5.0000
Nasdaq PHLX (XPHO)	5.51	0.00	0.00	0.00	5.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-92.9000	-5.0000
Nasdaq GEMX, LLC (GMNI)	4.08	0.00	0.00	0.00	4.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-78.1500	-5.0000
BOX Exchange (XBOX)	3.27	0.00	0.00	0.00	3.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-175.2500	-5.0000
Cboe EDGX Options (EDGO)	2.65	0.00	0.00	0.00	2.65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-15.3500	-5.0000
Cboe BZX Options Exchange (BATO)	2.65	0.00	0.00	0.00	2.65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-85.3000	-5.0000
C2 Options Exchange, Inc. (C2OX)	2.04	0.00	0.00	0.00	2.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-132.2500	-5.0000

Material Aspects:

CBOE Exchange (XCBO)

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Nasdaq ISE (XISX):

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Nasdag PHLX (XPHO):

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Nasdag GEMX, LLC (GMNI):

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BOX Exchange (XBOX):

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Cboe EDGX Options (EDGO):

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Cboe BZX Options Exchange (BATO):

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C2 Options Exchange, Inc. (C2OX):

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December 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders		
0.00	0.00	0.00	0.00	0.00		

Venues

Venue - Non- directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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Material Aspects:

December 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders		
0.00	0.00	0.00	0.00	0.00		

Venues

Venue - Non- directed Order Flow	Non- Directed Orders (%)				Orders Pai (%)	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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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Material Aspects:

December 2022

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders		
100.00	0.00	0.00	0.00	100.00		

Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable 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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
Nasdaq ISE (XISX)	19.19	0.00	0.00	0.00	19.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-155.5000	-0.6777
CBOE Exchange (XCBO)	12.79	0.00	0.00	0.00	12.79	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-385.5500	-5.0000
BOX Exchange (XBOX)	8.74	0.00	0.00	0.00	8.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-659.9500	-5.0000
Nasdaq PHLX (XPHO)	8.32	0.00	0.00	0.00	8.32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-143.9500	-5.0000
Nasdaq GEMX, LLC (GMNI)	7.68	0.00	0.00	0.00	7.68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-139.6000	-5.0000
NYSE Mkt Llc (XASE)	7.68	0.00	0.00	0.00	7.68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-215.7500	-5.0000
Cboe EDGX Options (EDGO)	5.76	0.00	0.00	0.00	5.76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-45.6000	-5.0000
Cboe BZX Options Exchange (BATO)	5.12	0.00	0.00	0.00	5.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-86.8000	-5.0000
Miami Intl Exchange (XMIO)	4.69	0.00	0.00	0.00	4.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-156.6500	-5.0000
XPSE (XPSE)	4.05	0.00	0.00	0.00	4.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-107.5000	-5.0000
C2 Options Exchange, Inc. (C2OX)	2.99	0.00	0.00	0.00	2.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-684.1500	-5.0000
MIAX Emerald, LLC. (EMLD)	2.56	0.00	0.00	0.00	2.56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-58.0500	-5.0000
MIAX Pearl, LLC (MPRL)	2.56	0.00	0.00	0.00	2.56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-69.4000	-5.0000

Material Aspects: Nasdaq ISE (XISX): GFI Securities LLC or "GFI" accesses the US options exchanges on this report via Dash Financial Technologies or otherwise known as consolidator which route our orders to exchanges for execution on an agency basis. Consolidators charge a commission rate for certain products and services and will pass through net fees or rebates incurred to execute GFI orders on exchanges. The passed through rebates credits or billing adjustments from Consolidator and these rates are therefore reflected in our Net Payments for this report. Depending on its overall trading activity, the Consolidator may receive better volume-based rates including placement in preferential rate tiers on an exchange fees schedule. For clarity, GFI is not party to the payment arrangements between the Consolidator and the Option Exchanges and is only privy to transaction rates are there and is only privy to transaction rates are there to be the consolidator.

CBOE Exchange (XCBO):

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Nasdaq PHLX (XPHO):

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Nasdaq GEMX, LLC (GMNI):

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NYSE Mkt Llc (XASE):

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Miami Intl Exchange (XMIO):

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XPSE (XPSE):

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MIAX Emerald, LLC. (EMLD):

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