

GFIS - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2023

January 2023

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)

Material Aspects:

January 2023

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 (%)	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)

Material Aspects:

January 2023

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)	12.63	0.00	0.00	0.00	12.63	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-296.0000	-0.4667
CBOE Exchange (XCBO)	10.62	0.00	0.00	0.00	10.62	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-270.4500	-5.0000
Nasdaq GEMX, LLC (GMNI)	8.06	0.00	0.00	0.00	8.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-184.4000	-5.0000
XPSE (XPSE)	7.93	0.00	0.00	0.00	7.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-147.6500	-5.0000
BOX Exchange (XBOX)	6.85	0.00	0.00	0.00	6.85	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-631.6500	-5.0000
C2 Options Exchange, Inc. (C2OX)	6.59	0.00	0.00	0.00	6.59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-201.6000	-5.0000
Cboe BZX Options Exchange (BATO)	6.45	0.00	0.00	0.00	6.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-137.3000	-5.0000
Miami Intl Exchange (XMIO)	6.45	0.00	0.00	0.00	6.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-66.8500	-5.0000
MIAX Pearl, LLC (MPRL)	5.65	0.00	0.00	0.00	5.65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-325.6000	-5.0000
MIAX Emerald, LLC. (EMLD)	5.51	0.00	0.00	0.00	5.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-111.4000	-5.0000
Nasdaq Options (XNDQ)	4.57	0.00	0.00	0.00	4.57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-162.8500	-5.0000
Nasdaq OMX (XBXO)	2.96	0.00	0.00	0.00	2.96	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-28.1500	-5.0000
Cboe EDGX Options (EDGO)	2.69	0.00	0.00	0.00	2.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-22.3000	-5.0000
Nasdaq PHLX (XPHO)	2.69	0.00	0.00	0.00	2.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-113.0000	-5.0000
ISE Mercury Options (MCRY)	2.42	0.00	0.00	0.00	2.42	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-10.5000	-5.0000

Material Aspects:

February 2023

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:

February 2023

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 (%)	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:

February 2023

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)	14.88	0.00	0.00	0.00	14.88	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	625.2998	0.5057
CBOE Exchange (XCBO)	10.12	0.00	0.00	0.00	10.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-378.6500	-5.0000
C2 Options Exchange, Inc. (C2OX)	8.93	0.00	0.00	0.00	8.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-420.4000	-5.0000
XPSE (XPSE)	8.93	0.00	0.00	0.00	8.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-196.6000	-5.0000
Nasdaq GEMX, LLC (GMNI)	7.74	0.00	0.00	0.00	7.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-213.0500	-5.0000
MIAX Pearl, LLC (MPRL)	6.25	0.00	0.00	0.00	6.25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-427.2500	-5.0000
Nasdaq Options (XNDQ)	5.95	0.00	0.00	0.00	5.95	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-324.9000	-5.0000
NYSE Mkt Lic (XASE)	5.36	0.00	0.00	0.00	5.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-26.2000	-5.0000
MIAX Emerald, LLC. (EMLD)	5.06	0.00	0.00	0.00	5.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-226.9500	-5.0000
BOX Exchange (XBOX)	5.06	0.00	0.00	0.00	5.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-30.1000	-1.5248
Cboe EDGX Options (EDGO)	4.46	0.00	0.00	0.00	4.46	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	14.8000	1.5579
Boston Options (BOX1)	2.68	0.00	0.00	0.00	2.68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cboe BZX Options Exchange (BATO)	2.38	0.00	0.00	0.00	2.38	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-141.6500	-4.9476
Nasdaq OMX (XBXO)	2.08	0.00	0.00	0.00	2.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-75.2000	-5.0000
NYSE American (AMEX)	1.79	0.00	0.00	0.00	1.79	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

March 2023

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
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Material Aspects:

March 2023

Non-S&P 500 Stocks

Summary

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Material Aspects:

March 2023

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
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Nasdaq ISE (XISX)	20.06	0.00	0.00	0.00	20.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,640.3488	2.7725
CBOE Exchange (XCBO)	16.45	0.00	0.00	0.00	16.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-620.2000	-5.0000
Miami Intl Exchange (XMIO)	11.11	0.00	0.00	0.00	11.11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	245.5500	8.0746
XPSE (XPSE)	8.23	0.00	0.00	0.00	8.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-198.8000	-5.0000
NYSE Mkt Llc (XASE)	5.77	0.00	0.00	0.00	5.77	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-77.5000	-5.0000
C2 Options Exchange, Inc. (C2OX)	4.33	0.00	0.00	0.00	4.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-302.3500	-5.0000
MIAX Pearl, LLC (MPRL)	4.04	0.00	0.00	0.00	4.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-353.9000	-5.0000
Nasdaq PHLX (XPHO)	3.90	0.00	0.00	0.00	3.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-285.7500	-5.0000
Nasdaq GEMX, LLC (GMNI)	3.75	0.00	0.00	0.00	3.75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	30.4500	0.8722
BOX Exchange (XBOX)	3.61	0.00	0.00	0.00	3.61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-12.2000	-0.7028
Cboe BZX Options Exchange (BATO)	2.74	0.00	0.00	0.00	2.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	135.1000	5.3336
Nasdaq OMX PHLX (PHLX)	2.74	0.00	0.00	0.00	2.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cboe EDGX Options (EDGO)	2.60	0.00	0.00	0.00	2.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-13.7600	-4.4103
MIAX Emerald, LLC. (EMLD)	2.16	0.00	0.00	0.00	2.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-210.5500	-5.0000

Material Aspects: