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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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	98.19%	0%	1.81%	0%

Venue - Non- directe d Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketabl e Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cent s per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD )	Net Payment Paid/ Received for Marketable Limit Orders(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(USD)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(cents per hundred shares)	Net Payment Paid/Receive d for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cent s per hundred shares)
	100.00%	98.19%	0.00%	1.81%	0.00%								

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1st Quarter, 2023

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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	76.84%	0%	23.16%	0%

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
	75.17%	70%	0.00%	5%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	5.17%	3%	0.00%	3%	0%								
NYSE ARCA (ARCX)	4.61%	1%	0.00%	3%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	3.34%	1%	0.00%	3%	0%								

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1st Quarter, 2023

January 2023						_							
Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.07%	0%	0.00%	2%	0%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	1.59%	0%	0.00%	2%	0%								
NASDAQ - ALL MARKETS (XNAS)	1.15%	0%	0.00%	1%	0%								
MEMX LLC EQUITIES (MEMX)	1.14%	0%	0.00%	1%	0%								
FIDELITY CROSSSTREAM ATS (XSTM)	1.05%	1%	0.00%	0%	0%								
MIAX PEARL EQUITIES (EPRL)	0.50%	0%	0.00%	0%	0%								
NYSE MKT LLC (XASE)	0.40%	0%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.37%	0%	0.00%	0%	0%								
UBS ATS (UBSA)	0.31%	0%	0.00%	0%	0%								
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.26%	0%	0.00%	0%	0%								
NASDAQ OMX PSX (XPSX)	0.24%	0%	0.00%	0%	0%								

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1st Quarter, 2023

January 2023													
Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.24%	0%	0.00%	0%	0%								
BOLSA DE VALENCIA (XVAL)	0.23%	0%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.21%	0%	0.00%	0%	0%								
CITADEL SECURITIES (CDED)	0.20%	0%	0.00%	0%	0%								
NASDAQ OMX BX (XBOS)	0.20%	0%	0.00%	0%	0%								
LEVEL ATS (LEVL)	0.19%	0%	0.00%	0%	0%								
SIGMA X2 (SGMT)	0.18%	0%	0.00%	0%	0%								
CREDIT SUISSE  AES  CROSSFINDER  (CAES)	0.15%	0%	0.00%	0%	0%								
BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS (BAML)	0.14%	0%	0.00%	0%	0%								
KNIGHT LINK (KNLI)	0.11%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.10%	0%	0.00%	0%	0%								

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1st Quarter, 2023

January 2023	-		ı										1
Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
BARCLAYS ATS (BARX)	0.10%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.09%	0%	0.00%	0%	0%								
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS (XOFF)	0.08%	0%	0.00%	0%	0%								
BNPP CORTEX ATS (BNPC)	0.07%	0%	0.00%	0%	0%								
INSTINET CBX (US) (ICBX)	0.07%	0%	0.00%	0%	0%								
MS POOL (MSPL)	0.06%	0%	0.00%	0%	0%								
JANE STREET JX (JSJX)	0.04%	0%	0.00%	0%	0%								
TORONTO STOCK EXCHANGE (XTSE)	0.03%	0%	0.00%	0%	0%								
LONDON STOCK EXCHANGE (XLON)	0.03%	0%	0.00%	0%	0%								
INTELLIGENTCRO SS (INCR)	0.03%	0%	0.00%	0%	0%								
NASDAQ OMX PHLX (XPHL)	0.02%	0%	0.00%	0%	0%								
SANTIAGO STOCK EXCHANGE (XSGO)	0.02%	0%	0.00%	0%	0%								

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1st Quarter, 2023

January 2023													
Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CHI-X CANADA ATS (CHIC)	0.02%	0%	0.00%	0%	0%								
POSIT (ITGI)	0.01%	0%	0.00%	0%	0%								
NEO EXCHANGE - NEO-L (MARKET BY ORDER) (NEOE)	0.01%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING - SYSTEMATIC INTERNALISER (HRSI)	0.00%	0%	0.00%	0%	0%								
CITADEL CONNECT EUROPE (CCEU)	0.00%	0%	0.00%	0%	0%								
CBOE EUROPE - CXE ORDER BOOKS (CHIX)	0.00%	0%	0.00%	0%	0%								
OMEGA ATS (OMGA)	0.00%	0%	0.00%	0%	0%								
CBOE EUROPE - BXE ORDER BOOKS (BATE)	0.00%	0%	0.00%	0%	0%								
CX2 (XCX2)	0.00%	0%	0.00%	0%	0%								
EURONEXT - EURONEXT AMSTERDAM (XAMS)	0.00%	0%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CITI-ONE (ONEC)	0.00%	0%	0.00%	0%	0%								
AQUIS EXCHANGE PLC (AQXE)	0.00%	0%	0.00%	0%	0%								
ALPHA EXCHANGE (XATS)	0.00%	0%	0.00%	0%	0%								
TURQUOISE (TRQX)	0.00%	0%	0.00%	0%	0%								
CANADIAN SECURITIES EXCHANGE - PURE (PURE)	0.00%	0%	0.00%	0%	0%								
CBOE EUROPE - BXE PERIODIC (BATP)	0.00%	0%	0.00%	0%	0%								

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1st Quarter, 2023

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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non-Directed Orders
100%	33.81%	0%	66.19%	0%

Venue - Non- directe d Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	NonMarketabl e Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cent s per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD )	Net Payment Paid/ Received for Marketable Limit Orders(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(USD)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(cents per hundred shares)	Net Payment Paid/Receive d for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cent s per hundred shares)
	100.00%	33.81%	0.00%	66.19%	0.00%								

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1st Quarter, 2023

February	2	02	23
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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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non-Directed Orders
100%	79.80%	0%	20.20%	0%

Venue - Non- directed Order Flow	NonDirecte d Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
	83.70%	77%	0.00%	6%	0%								
NYSE ARCA (ARCX)	2.85%	1%	0.00%	2%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	2.41%	0%	0.00%	2%	0%								
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	1.79%	0%	0.00%	1%	0%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	1.41%	0%	0.00%	1%	0%								
MEMX LLC EQUITIES (MEMX)	1.35%	0%	0.00%	1%	0%								

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1st Quarter, 2023

February 2023													
Venue - Non- directed Order Flow	NonDirecte d Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
NASDAQ - ALL MARKETS (XNAS)	1.20%	0%	0.00%	1%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	0.93%	0%	0.00%	1%	0%								
MIAX PEARL EQUITIES (EPRL)	0.40%	0%	0.00%	0%	0%								
NYSE MKT LLC (XASE)	0.32%	0%	0.00%	0%	0%								
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.31%	0%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.30%	0%	0.00%	0%	0%								
UBS ATS (UBSA)	0.28%	0%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.23%	0%	0.00%	0%	0%								
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.20%	0%	0.00%	0%	0%								
LEVEL ATS (LEVL)	0.20%	0%	0.00%	0%	0%								
BANK OF AMERICA -	0.20%	0%	0.00%	0%	0%								

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1st Quarter, 2023

Tebruary 2023													
Venue - Non- directed Order Flow	NonDirecte d Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
MERRILL LYNCH INSTINCT X ATS (BAML)													
NASDAQ OMX PSX (XPSX)	0.20%	0%	0.00%	0%	0%								
NASDAQ OMX BX (XBOS)	0.18%	0%	0.00%	0%	0%								
SIGMA X2 (SGMT)	0.18%	0%	0.00%	0%	0%								
BOLSA DE VALENCIA (XVAL)	0.14%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.14%	0%	0.00%	0%	0%								
KNIGHT LINK (KNLI)	0.13%	0%	0.00%	0%	0%								
CREDIT SUISSE  AES  CROSSFINDER  (CAES)	0.13%	0%	0.00%	0%	0%								
BARCLAYS ATS (BARX)	0.13%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.13%	0%	0.00%	0%	0%								
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS (XOFF)	0.11%	0%	0.00%	0%	0%								
INSTINET CBX (US) (ICBX)	0.10%	0%	0.00%	0%	0%								

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1st Quarter, 2023

February 2023	I		1					1	1				
Venue - Non- directed Order Flow	NonDirecte d Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
BNPP CORTEX ATS (BNPC)	0.07%	0%	0.00%	0%	0%								
CITADEL SECURITIES (CDED)	0.05%	0%	0.00%	0%	0%								
INTELLIGENTCRO SS (INCR)	0.04%	0%	0.00%	0%	0%								
MS POOL (MSPL)	0.04%	0%	0.00%	0%	0%								
JANE STREET JX (JSJX)	0.03%	0%	0.00%	0%	0%								
SANTIAGO STOCK EXCHANGE (XSGO)	0.03%	0%	0.00%	0%	0%								
TORONTO STOCK EXCHANGE (XTSE)	0.02%	0%	0.00%	0%	0%								
FIDELITY CROSSSTREAM ATS (XSTM)	0.02%	0%	0.00%	0%	0%								
LONDON STOCK EXCHANGE (XLON)	0.02%	0%	0.00%	0%	0%								
NASDAQ OMX PHLX (XPHL)	0.02%	0%	0.00%	0%	0%								
TWO SIGMA SECURITIES, LLC (SOHO)	0.01%	0%	0.00%	0%	0%								

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1st Quarter, 2023

Venue - Non- directed Order Flow	NonDirecte d Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
POSIT (ITGI)	0.01%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING - SYSTEMATIC INTERNALISER (HRSI)	0.00%	0%	0.00%	0%	0%								
CHI-X CANADA ATS (CHIC)	0.00%	0%	0.00%	0%	0%								
ALPHA EXCHANGE (XATS)	0.00%	0.00%	0.00%	0.00%	0%								
CBOE EUROPE - BXE PERIODIC (BATP)	0.00%	0.00%	0.00%	0.00%	0%								
CBOE EUROPE - CXE ORDER BOOKS (CHIX)	0.00%	0.00%	0.00%	0.00%	0%								
HUDSON RIVER TRADING (HRTX)	0.00%	0.00%	0.00%	0.00%	0%								
CX2 (XCX2)	0.00%	0.00%	0.00%	0.00%	0%								_
CITADEL CONNECT EUROPE (CCEU)	0.00%	0.00%	0.00%	0.00%	0%								

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1st Quarter, 2023

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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	10.34%	0%	89.66%	0%

Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	NonMarketabl e Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cent s per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(USD)	Net Payment Paid/ Received for NonMarketabl e Limit Orders(cents per hundred shares)	Net Payment Paid/Receive d for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cent s per hundred shares)
	99.62%	10.34%	0.00%	89.27%	0.00%								
CBOE BZX U.S. EQUITIES EXCHANG E (BATS)	0.38%	0.00%	0.00%	0.38%	0.00%								

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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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	75.57%	0%	24.43%	0%

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
	72.86%	66%	0.00%	7%	0%								
NYSE ARCA (ARCX)	5.67%	3%	0.00%	3%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	4.21%	2%	0.00%	2%	0%								
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.75%	1%	0.00%	2%	0%								
NASDAQ - ALL MARKETS (XNAS)	2.19%	0%	0.00%	2%	0%								

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iviarch 2023						_							
Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
MEMX LLC EQUITIES (MEMX)	2.19%	1%	0.00%	1%	0%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	2.17%	0%	0.00%	2%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	1.61%	1%	0.00%	0%	0%								
MIAX PEARL EQUITIES (EPRL)	0.75%	0%	0.00%	1%	0%								
NYSE MKT LLC (XASE)	0.57%	0%	0.00%	1%	0%								
UBS ATS (UBSA)	0.45%	0%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.41%	0%	0.00%	0%	0%								
NASDAQ OMX PSX (XPSX)	0.38%	0%	0.00%	0%	0%								
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.36%	0%	0.00%	0%	0%								
LEVEL ATS (LEVL)	0.36%	0%	0.00%	0%	0%								
CBOE BYX U.S. EQUITIES	0.34%	0%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
EXCHANGE (BATY)													
SIGMA X2 (SGMT)	0.28%	0%	0.00%	0%	0%								
BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS (BAML)	0.27%	0%	0.00%	0%	0%								
NASDAQ OMX BX (XBOS)	0.23%	0%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.22%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.21%	0%	0.00%	0%	0%								
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS (XOFF)	0.17%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.16%	0%	0.00%	0%	0%								
BARCLAYS ATS (BARX)	0.16%	0%	0.00%	0%	0%								
ONECHRONOS (CGXS)	0.14%	0%	0.00%	0%	0%								

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KNIGHT LINK (KNLI)	0.14%	0%	0.00%	0%	0%								
CREDIT SUISSE  AES  CROSSFINDER  (CAES)	0.12%	0%	0.00%	0%	0%								
INSTINET CBX (US) (ICBX)	0.11%	0%	0.00%	0%	0%								
CITADEL SECURITIES (CDED)	0.11%	0%	0.00%	0%	0%								
BNPP CORTEX ATS (BNPC)	0.09%	0%	0.00%	0%	0%								
JANE STREET JX (JSJX)	0.06%	0%	0.00%	0%	0%								
SANTIAGO STOCK EXCHANGE (XSGO)	0.04%	0%	0.00%	0%	0%								
MS POOL (MSPL)	0.03%	0%	0.00%	0%	0%								
TWO SIGMA SECURITIES, LLC (SOHO)	0.02%	0%	0.00%	0%	0%								
POSIT (ITGI)	0.02%	0%	0.00%	0%	0%								
TORONTO STOCK EXCHANGE (XTSE)	0.02%	0%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred	Net Payment Paid/ Received for Marketabl e Limit Orders(US	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred
NASDAQ OMX							shares)	D)	hundred shares)		shares)		shares)
PHLX (XPHL)	0.02%	0%	0.00%	0%	0%								
FIDELITY CROSSSTREAM ATS (XSTM)	0.01%	0%	0.00%	0%	0%								
INTELLIGENTCRO SS (INCR)	0.01%	0%	0.00%	0%	0%								
LONDON STOCK EXCHANGE (XLON)	0.01%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING - SYSTEMATIC INTERNALISER (HRSI)	0.01%	0%	0.00%	0%	0%								
CITI-ONE (ONEC)	0.01%	0%	0.00%	0%	0%								
CITADEL CONNECT EUROPE (CCEU)	0.01%	0%	0.00%	0%	0%								
BOLSA MEXICANA DE VALORES (MEXICAN STOCK EXCHANGE) (XMEX)	0.01%	0%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketabl e Limit Orders (%)	NonMarketab le Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receiv ed for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cen ts per hundred shares)	Net Payment Paid/ Received for Marketabl e Limit Orders(US D)	Net Payment Paid/ Received for Marketabl e Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketab le Limit Orders(USD)	Net Payment Paid/ Received for NonMarketab le Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
EURONEXT - EURONEXT AMSTERDAM (XAMS)	0.00%	0%	0.00%	0%	0%								
ALPHA EXCHANGE (XATS)	0.00%	0.00%	0.00%	0.00%	0%								
GOLDMAN SACHS AND CO. (GSCO)	0.00%	0.00%	0.00%	0.00%	0%								
INTELLIGENTCRO SS ASPEN INTELLIGENT BID/OFFER (ASPN)	0.00%	0.00%	0.00%	0.00%	0%								
NEO EXCHANGE - NEO-L (MARKET BY ORDER) (NEOE)	0.00%	0.00%	0.00%	0.00%	0%								
HUDSON RIVER TRADING (HRT) (HRTF)	0.00%	0.00%	0.00%	0.00%	0%								

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CHI-X CANADA ATS (CHIC)	0.00%	0.00%	0.00%	0.00%	0%								
CBOE EUROPE - BXE ORDER BOOKS (BATE)	0.00%	0.00%	0.00%	0.00%	0%								
GOLDMAN SACHS INTERNATIONAL - SYSTEMATIC INTERNALISER (GSSI)	0.00%	0.00%	0.00%	0.00%	0%								
XETRA - REGULIERTER MARKT (XETA)	0.00%	0.00%	0.00%	0.00%	0%								
CBOE EUROPE - CXE ORDER BOOKS (CHIX)	0.00%	0.00%	0.00%	0.00%	0%								
AQUIS EXCHANGE PLC (AQXE)	0.00%	0.00%	0.00%	0.00%	0%								

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OMEGA ATS (OMGA)	0.00%	0.00%	0.00%	0.00%	0%								