

SYNOVUS SECURITIES, INC. - Held NMS Stocks and Options Order Routing Public Report

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3rd Quarter, 2022

July 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Market Limit Orders as % of Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	99.04	0.20	0.73	0.04

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Market 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 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)
Citadel Securities,LLC (CDRG)	31.05	35.94	36.36	7.76	0.13	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services,LLC (ETMM)	20.34	23.61	27.27	1.72	0.00	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas,LLC (NITE)	17.68	20.52	9.09	3.45	0.00	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital,LLC (JNST)	15.88	18.38	18.18	4.31	0.00	0	0.0000	0	0.0000	0	0.0000
National Financial Services,LLC (XSTM)	12.13	0.00	0.00	0.00	99.36	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities,LLC (SOHO)	0.91	1.04	0.00	0.00	0.13	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	0.77	0.00	9.09	41.38	0.00	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services,LLC (NSDO)	0.52	0.00	0.00	28.45	0.00	0	0.0000	0	0.0000	0	0.0000

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 Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Received for Other Orders(cents per hundred shares)
UBS Securities, LLC (UBSS)	0.44	0.51	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.000
Cboe EDGX US Equities Exchange (EDGX)	0.17	0.00	0.00	9.48	0.00	0	0.0000	0	0.0000	0	0.000

Material Aspects:

- Citadel Securities LLC (CDRG):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- G1 Execution Services, LLC (ETMM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- VIRTU Americas, LLC (NITE):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Jane Street Capital, LLC (JNST):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- National Financial Services LLC (XSTM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Two Sigma Securities, LLC (SOHO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- New York Stock Exchange (NYSE):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- NASDAQ Execution Services, LLC (NSDO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- UBS Securities, LLC (UBSS):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Cboe EDGX US Equities Exchange (EDGX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

July 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Directed Orders as % of Non-Directed Orders	Non-Marketable Limit Directed Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	98.39	0.38	1.13	0.10

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)
Citadel Securities LLC (CDRG)	25.60	35.73	16.67	1.20	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	25.01	0.00	0.00	0.00	97.24	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	16.54	22.96	50.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	14.87	20.60	22.22	0.60	0.30	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	12.92	18.05	11.11	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.31	1.84	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	1.08	0.00	0.00	41.92	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Instinet BlockCross (BLKX)	0.65	0.02	0.00	0.00	2.46	0	0.0000	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	0.57	0.00	0.00	22.16	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.57	0.80	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities LLC (CDRG):

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National Financial Services LLC (XSTM):

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G1 Execution Services, LLC (ETMM):

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VIRTU Americas, LLC (NITE):

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Jane Street Capital, LLC (JNST):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Two Sigma Securities, LLC (SOHO):

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NASDAQ Execution Services, LLC (NSDQ):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

Instinet BlockCross (BLKX):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

New York Stock Exchange (NYSE):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
 UBS Securities LLC (UBSS):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

July 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	80.98	3.90	12.68	2.44

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(US\$)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(US\$)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(US\$)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(US\$)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC (CDRG)	43.90	43.37	62.50	30.77	100.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
Dash Financial Technologies LLC (DASH)	26.83	27.71	12.50	30.77	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
Susquehanna Capital Group (SUSQ)	18.54	21.69	25.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
Wolverine Execution Services LLC (WEXX)	6.83	3.01	0.00	34.62	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
Morgan Stanley & Company LLC (MSCO)	3.90	4.22	0.00	3.85	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000

Material Aspects:

Citadel Securities LLC (CDRG):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
 Dash Financial Technologies LLC (DASH):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
 Susquehanna Capital Group (SUSQ):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
 Wolverine Execution Services LLC (WEXX):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
 Morgan Stanley & Company LLC (MSCO):
 [Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

August 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Market 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	98.71	0.11	0.86	0.31

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Market 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 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)
Citadel Securities,LLC (CDRG)	30.66	36.29	50.00	12.17	1.18	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services,LLC (ETMM)	21.42	25.67	25.00	2.12	0.08	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas,LLC (NITE)	19.44	23.19	25.00	2.65	0.51	0	0.0000	0	0.0000	0	0.0000
National Financial Services,LLC (XSTM)	14.04	0.00	0.00	0.00	97.05	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital,LLC (JNST)	10.77	12.92	0.00	1.06	0.00	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities,LLC (SOHO)	1.02	1.22	0.00	0.53	0.00	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	0.82	0.00	0.00	35.45	0.00	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services,LLC (NSDO)	0.71	0.00	0.00	30.69	0.00	0	0.0000	0	0.0000	0	0.0000
UBS Securities,LLC (UBSS)	0.61	0.72	0.00	0.00	0.08	0	0.0000	0	0.0000	0	0.0000
Cboe EDGX US Equities Exchange (EDGX)	0.27	0.00	0.00	11.64	0.00	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities,LLC (CDRG):

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
G1 Execution Services, LLC (ETMM):
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National Financial Services LLC (XSTM):
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Jane Street Capital, LLC (JNST):
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Two Sigma Securities, LLC (SOHO):
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New York Stock Exchange (NYSE):
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NASDAQ Execution Services, LLC (NSDO):
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UBS Securities, LLC (UBSS):
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Cboe EDGX US Equities Exchange (EDGX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

August 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	Net Payment Received for Market Orders (cents per hundred shares)	Net Payment Paid/Received for Market Orders(USD)	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)
100.00	98.10	0.46	1.32	0.12						

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 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)
Citadel Securities, LLC (CDRG)	26.36	36.98	53.57	4.21	0.10	0	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	23.35	0.00	0.00	0.00	97.79	0	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	17.93	25.47	17.86	0.42	0.00	0	0	0.0000	0	0.0000

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)
VIRTU Americas, LLC (NITE)	15.85	22.38	28.57	0.42	0.20	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	9.09	12.96	0.00	0.21	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	2.53	0.00	0.00	44.42	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	1.44	0.00	0.00	25.26	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	0.97	1.39	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Cboe EDGX US Equities Exchange (EDGX)	0.91	0.00	0.00	16.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.59	0.82	0.00	0.00	0.05	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

- Citadel Securities LLC (CDRG):
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- National Financial Services LLC (XSTM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- G1 Execution Services, LLC (ETMM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- VIRTU Americas, LLC (NITE):
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- Jane Street Capital, LLC (JNST):
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- Two Sigma Securities, LLC (SOHO):
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- Cboe EDGX US Equities Exchange (EDGX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- UBS Securities, LLC (UBSS):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

August 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	79.42	3.61	14.80	2.17

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(cent per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred shares)
Citadel Securities LLC (CDRG)	48.93	47.51	40.00	51.16	100.00	0	0	0.0000	0	0.0000
Susquehanna Capital Group (SUSQ)	26.79	32.13	20.00	4.65	0.00	0	0	0.0000	0	0.0000
Dash Financial Technologies LLC (DASH)	15.71	16.29	40.00	9.30	0.00	0	0	0.0000	0	0.0000
Wolverine Execution Services LLC (WEXX)	5.36	0.45	0.00	32.56	0.00	0	0	0.0000	0	0.0000
Morgan Stanley & Company LLC (MSCO)	3.21	3.62	0.00	2.33	0.00	0	0	0.0000	0	0.0000

Material Aspects:

- Citadel Securities LLC (CDRG):
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- Susquehanna Capital Group (SUSQ):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(v).]
- Dash Financial Technologies LLC (DASH):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(v).]
- Wolverine Execution Services LLC (WEXX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(v).]
- Morgan Stanley & Company LLC (MSCO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(v).]

September 2022

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Market 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	98.92	0.15	0.93	0.00

Venues

Venue - Non-venued Order Flow	Non-Directed Orders (%)	Market Orders (%)	Market 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 Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC (CDRG)	28.33	34.94	33.33	7.69	0.00	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	21.72	26.91	0.00	3.24	0.00	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	19.20	23.78	22.22	2.02	0.00	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	16.83	0.00	0.00	0.00	99.81	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	9.91	12.29	0.00	0.81	0.00	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities, LLC (SOHO)	1.19	1.47	11.11	0.00	0.00	0	0.0000	0	0.0000	0	0.0000
New York Stock Exchange (NYSE)	1.14	0.00	0.00	43.32	0.00	0	0.0000	0	0.0000	0	0.0000
NASDAQ Execution Services, LLC (NSDQ)	0.76	0.09	33.33	25.10	0.00	0	0.0000	0	0.0000	0	0.0000
UBS Securities, LLC (UBSS)	0.42	0.53	0.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000
Boe EDGX US Equities Exchange (EDGX)	0.34	0.00	0.00	12.96	0.00	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

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 Two Sigma Securities, LLC (SOHO):
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 New York Stock Exchange (NYSE):
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September 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
100.00	97.65	0.77	1.54	0.03

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(cent per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred shares)
Citadel Securities LLC (CDRG)	25.60	35.47	32.65	4.14	0.08	0	0.0000	0	0.0000	0	0.0000
National Financial Services LLC (XSTM)	24.68	0.00	0.00	0.00	97.42	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	18.50	25.78	14.29	1.50	0.00	0	0.0000	0	0.0000	0	0.0000
VIRTU Americas, LLC (NITE)	17.86	24.59	34.69	4.89	0.00	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	8.59	11.88	16.33	1.13	0.00	0	0.0000	0	0.0000	0	0.0000

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)
Two Sigma Securities, LLC (SOHO)	1.15	1.59	0.00	0.38	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
NASDAQ Execution Services, LLC (NSDQ)	0.84	0.02	2.04	28.20	0.04	0	0.0000	0	0.0000	0	0.0000	0	0.000
New York Stock Exchange (NYSE)	0.61	0.00	0.00	21.43	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000
Instinet BlockCross (BLKX)	0.59	0.00	0.00	0.00	2.33	0	0.0000	0	0.0000	0	0.0000	0	0.000
Cboe EDGX US Equities Exchange (EDGX)	0.56	0.00	0.00	19.55	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.000

Material Aspects:

- Citadel Securities LLC (CDRG):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- National Financial Services LLC (XSTM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- G1 Execution Services, LLC (ETMM):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- VIRTU Americas, LLC (NITE):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Jane Street Capital, LLC (JNST):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Two Sigma Securities, LLC (SOHO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- NASDAQ Execution Services, LLC (NSDQ):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- New York Stock Exchange (NYSE):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Instinet BlockCross (BLKX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Cboe EDGX US Equities Exchange (EDGX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

September 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	86.36	3.25	6.49	3.90

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 (cents per hundred shares)	Net Payment Paid/Received for 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)
Citadel Securities LLC (CDRG)	51.79	49.66	60.00	50.00	100.00	0.0000	0	0.0000	0	0.000
Susquehanna Capital Group (SUSQ)	21.43	24.14	20.00	0.00	0.00	0.0000	0	0.0000	0	0.000
Dash Financial Technologies LLC (DASH)	19.05	19.31	20.00	25.00	0.00	0.0000	0	0.0000	0	0.000
Morgan Stanley & Company LLC (MSCO)	4.76	5.52	0.00	0.00	0.00	0.0000	0	0.0000	0	0.000
Wolverine Execution Services LLC (WEXX)	2.98	1.38	0.00	25.00	0.00	0.0000	0	0.0000	0	0.000

Material Aspects:

- Citadel Securities LLC (CDRG):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Susquehanna Capital Group (SUSQ):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Dash Financial Technologies LLC (DASH):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Morgan Stanley & Company LLC (MSCO):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]
- Wolverine Execution Services LLC (WEXX):
[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]