

LPL - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2021

January 2021

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	77.76	1.01	3.31	17.93

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)	34.70	34.51	25.65	34.03	36.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	32.22	32.53	37.07	30.12	30.97	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	12.54	12.57	21.23	14.83	11.49	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	10.84	10.47	3.13	13.59	12.39	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	3.82	3.90	0.46	1.44	4.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	3.05	3.13	7.55	2.70	2.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	2.83	2.89	4.91	3.29	2.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

CITADEL SECURITIES LLC (CDRG):

For disclosure of material aspects of LPLs relationship with routing venues go to LPLs web site under Disclosures/Markets & Trading Disclosures/SEC 606 Report Disclosures/Material Aspects of Relationships with Routing Venues.

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January 2021

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	80.27	2.80	3.96	12.97

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)
G1 Execution Services, LLC (ETMM)	49.45	53.79	16.11	23.16	37.88	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITADEL SECURITIES LLC (CDRG)	33.59	30.44	74.48	54.49	37.94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	6.53	6.22	2.98	6.73	9.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	6.23	5.46	4.83	10.34	10.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.49	2.40	0.57	2.20	3.55	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	1.62	1.61	1.02	2.97	1.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	0.09	0.08	0.01	0.11	0.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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January 2021

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	46.58	7.86	33.94	11.61

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)	85.01	86.93	84.37	85.11	77.48	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Investment Group (SIGL)	14.99	13.07	15.63	14.89	22.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:**CITADEL SECURITIES LLC (CDRG):**

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Susquehanna Investment Group (SIGL):

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February 2021

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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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	77.99	0.74	3.09	18.18

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)	35.18	34.84	46.52	34.78	36.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	32.30	32.60	29.07	33.98	30.85	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	12.03	12.37	4.59	10.28	11.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	11.60	11.28	7.45	11.47	13.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	3.35	3.35	0.88	2.38	3.62	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	2.90	2.93	1.18	5.27	2.43	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	2.64	2.63	10.31	1.84	2.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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February 2021

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	81.18	2.37	3.97	12.48

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)
G1 Execution Services, LLC (ETMM)	46.18	50.38	27.95	22.95	29.62	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITADEL SECURITIES LLC (CDRG)	36.03	33.09	64.85	50.75	45.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	6.80	5.90	2.73	14.22	11.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	6.31	5.97	2.83	6.75	9.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.81	2.83	0.76	2.81	3.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	1.80	1.77	0.80	2.46	2.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	0.07	0.06	0.08	0.06	0.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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TWO SIGMA SECURITIES, LLC (SOHO)	11.44	11.57	9.01	13.28	10.66	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	11.11	10.74	12.94	11.98	12.54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	5.84	6.13	5.22	6.15	4.57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	4.03	3.99	2.74	2.47	4.48	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	2.71	2.81	1.56	1.28	2.53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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March 2021

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	82.83	2.04	3.80	11.34

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)
G1 Execution Services, LLC (ETMM)	57.50	62.61	23.56	25.14	36.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITADEL SECURITIES LLC (CDRG)	25.16	22.89	28.17	43.57	34.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	7.30	5.47	29.65	16.09	13.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	5.76	5.40	2.19	6.03	9.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	2.99	2.93	0.95	3.72	3.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	1.22	0.63	15.42	5.20	1.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vision Securities Inc. (VISN)	0.07	0.07	0.06	0.05	0.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INTL FCSTONE FINANCIAL INC. (FCST)	0.00	0.00	0.00	0.20	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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INTL FCSTONE FINANCIAL INC. (FCST):

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March 2021

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	44.11	8.22	38.15	9.53

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)	80.02	80.22	78.04	80.00	80.86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Investment Group (SIGL)	19.98	19.78	21.96	20.00	19.14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

CITADEL SECURITIES LLC (CDRG):

For disclosure of material aspects of LPLs relationship with routing venues go to LPLs web site under Disclosures/Markets & Trading Disclosures/SEC 606 Report Disclosures/Material Aspects of Relationships with Routing Venues.

Susquehanna Investment Group (SIGL):

For disclosure of material aspects of LPLs relationship with routing venues go to LPLs web site under Disclosures/Markets & Trading Disclosures/SEC 606 Report Disclosures/Material Aspects of Relationships with Routing Venues.