

# MARSCO INVESTMENT CORPORATION - Held NMS Stocks and Options Order Routing Public Report

Generated on Tue Sep 12 2023 09:43:12 GMT-0400 (Eastern Daylight Time)

2nd Quarter, 2023

April 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
100.00	0.26	16.04	69.65	14.05

### 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	67.92	65.45	77.36	70.86	42.58	93.81	20.0000	9,879.15	19.9996	11,241.94	19.9985	3,333.21	13.0646
Virtu Americas, LLC	25.66	34.55	15.71	23.72	46.45	4.26	20.0000	0.00	0.0000	0.01	20.0000	0.08	20.0000
Dash Financial Technologies	5.82	0.00	6.01	4.80	10.79	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects:

#### CITADEL SECURITIES LLC:

TradeUP Securities (TradeUp) handles customer orders for equities and options on an agency only basis, and routes customer orders out to certain execution venues (specifically, other broker-dealers) in order complete the execution of customer orders. Though TradeUp does not execute customer orders directly, TradeUp reviews the execution quality that these execution venues provide, in order to ensure that customer orders are filled as quickly as possible and are receiving the most favorable execution pricing at the time of execution. The statistics above list the execution venues where customer orders are routed to, as well as the types of orders they receive from TradeUp and the percentage makeup of those orders.

Customers should be aware that as part of a pre-existing arrangement, in exchange for receiving customer orders from TradeUp, these listed execution venues will then provide funds to TradeUp. Such an arrangement is commonly referred to as "Payment-For-Order-Flow" ("PFOF"). Though TradeUp receives PFOF from these venues, please be aware that TradeUp has no preference between one execution venue over. Additionally, our arrangement with these execution venues DOES NOT include any increase or decrease in PFOF based on the amount of orders sent to them for execution (examples of this would be payments contingent upon volume-based tiered payment schedules, agreements regarding minimum order flow, incentives for exceeding order flow thresholds or disincentives for failing to meet order flow thresholds). As such, TradeUp is not influenced or incentivized by any of fees paid for by any execution venue. It is still TradeUp's responsibility to ensure that any of the below listed venues that TradeUp routes customer orders to provide the best pricing (with an emphasis on customer orders obtaining price improvements whenever possible) and best execution quality possible.

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#### CITADEL SECURITIES LLC (Citadel)

If the stock price of the underlying security in a customer order is equal to or greater than \$1.00 per share, TradeUP Securities receives from Citadel \$0.0020 per share and \$0.50 per contract for options orders. If the stock price is less than \$1.00 per share, TradeUP Securities does not receive any payment. If orders are sent to an Algorithmic Trading Platform that is operated by Citadel, TradeUp receives \$0.001 per share.

April 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
100.00	0.21	19.21	68.93	11.65

### 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 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	68.22	58.80	79.35	70.63	35.77	26.04	20.0000	81,788.35	9.1202	71,644.20	10.7947	4,865.22	2.5855
Virtu Americas, LLC	24.07	41.20	13.90	22.53	49.62	194.86	17.9551	0.00	20.0000	0.62	20.0000	0.00	0.0000
Dash Financial Technologies	6.83	0.00	5.64	5.90	14.47	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## April 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	3.59	12.12	83.55	1.07

### 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 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	72.67	62.74	71.07	73.09	69.00	25,330.50	42.0207	132,331.00	36.1522	148,506.50	43.3527	3,938.00	41.6675

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)
Global Execution Brokers LP	22.00	32.52	23.92	21.52	26.74	9,010.00	48.2877	45,614.50	48.4277	64,453.00	46.8596	2,145.50	46.8552
Dash Financial Technologies	5.32	4.74	5.01	5.39	4.27	1,908.95	42.1123	7,405.99	42.0127	11,710.16	39.7899	321.39	39.8256

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##### Dash Financial Technologies:

If the stock price of the underlying security in a customer order is equal to or greater than \$1.00 per share, TradeUP Securities receives \$0.45 per contract for options orders; if the stock price is less than \$1.00 per share, TradeUP Securities does not receive any such payment.

## May 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
100.00	0.33	16.67	76.87	6.14

#### 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	66.90	62.84	75.81	63.60	84.38	32.69	19.9988	11,397.83	20.0000	10,928.83	20.0000	4,649.75	16.3046
Virtu Americas, LLC	20.06	37.16	10.35	23.17	6.51	4.97	20.0000	0.00	0.0000	0.00	0.0000	0.06	20.0000
Dash Financial Technologies	7.09	0.00	7.35	7.27	4.50	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Agency	5.48	0.00	6.30	5.45	3.98	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## May 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
100.00	0.93	20.20	74.67	4.19

#### 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	67.26	13.43	74.49	64.99	84.82	169.15	14.4716	87,244.10	11.5940	95,795.31	12.7814	9,297.64	5.0570
Virtu Americas, LLC	17.41	86.42	9.84	19.19	6.77	0.00	0.0000	460.44	0.2554	0.00	0.0000	0.70	0.0216
Dash Financial Technologies	8.44	0.13	8.53	8.77	4.02	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Agency	6.56	0.02	7.05	6.67	3.52	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## May 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	4.38	13.44	81.28	0.90

## 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(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	69.67	67.14	68.08	70.08	68.44	55,121.00	41.7973	181,500.00	38.7990	191,642.00	44.5060	3,690.00	44.4578
Global Execution Brokers LP	23.84	25.56	25.55	23.45	25.30	16,968.50	48.6022	47,747.50	48.4805	87,303.00	47.6506	1,271.00	42.0722
Dash Financial Technologies	6.50	7.29	6.37	6.48	6.26	6,656.02	43.7321	13,197.84	42.4368	18,526.47	40.7336	125.53	26.8221

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### Dash Financial Technologies:

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## June 2023

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## 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
98.25	0.29	18.10	75.50	6.11

### 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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CITADEL SECURITIES LLC	71.60	100.00	75.98	69.26	86.16	55.48	20.0000	12,964.58	20.0003	14,047.25	20.0000	2,625.57	13.8882
Virtu Agency	16.37	0.00	13.90	17.71	7.95	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Dash Financial Technologies	12.03	0.00	10.12	13.03	5.89	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## June 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
98.95	0.24	20.76	74.90	4.11

#### 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	71.68	98.98	78.96	68.63	88.93	803.35	13.0577	111,565.78	12.4327	112,666.57	13.0042	10,409.54	19.2263
Virtu Agency	16.40	0.89	12.14	18.18	6.35	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Dash Financial Technologies	11.92	0.06	8.90	13.19	4.72	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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**June 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
78.65	3.14	14.65	81.42	0.79

**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	63.88	64.07	64.64	63.74	63.74	29,065.50	39.3575	206,665.50	37.5543	212,632.50	44.4175	4,524.50	45.9713
Global Execution Brokers LP	27.14	27.01	26.82	27.20	27.03	8,970.50	47.6268	61,584.00	48.5774	118,045.50	48.2068	2,464.50	47.2307
Dash Financial Technologies	8.98	8.92	8.54	9.06	9.24	4,331.70	45.0000	24,995.70	45.0000	35,012.25	45.0000	411.75	45.0000

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