

# MIRA - Held NMS Stocks and Options Order Routing Public Report

Generated on Thu Oct 10 2024 02:55:32 GMT-05:00 (Central Daylight Time)

3rd Quarter, 2024

July 2024

## 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
100.00	0.13	0.39	1.55	97.94

### Venues

Venue Non-directed Order Flow	NonDirected 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 EXECUTION SERVICES LLC(NSDQ)	30.55	0.00	50.01	60.88	30.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DASH FINANCIAL TECHNOLOGIES LLC(DASH)	29.00	0.00	28.86	23.44	29.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mirae Asset Securities (USA) Inc (MIRA)	20.00	0.00	0.00	0.00	20.42	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BLUE OCEAN ATS LLC(BLUE)	7.53	0.00	0.00	0.00	7.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC(CDRG)	5.09	98.74	1.58	2.07	5.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Material Aspects

NASDAQ EXECUTION SERVICES LLC(NSDQ):

¶ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.



Citadel Securities LLC(CDRG)	17.52	99.46	30.08	28.82	15.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BARCLAYS CAPITAL INC(LEHX)	8.68	0.00	11.22	12.02	8.35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BLUE OCEAN ATS LLC(BLUE)	6.18	0.00	0.00	0.00	6.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC(NITE)	4.33	0.00	13.75	12.19	3.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## Material Aspects

### DASH FINANCIAL TECHNOLOGIES LLC(DASH):

[] Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

### Mirae Asset Securities (USA) Inc (MIRA):

[] Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

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### BARCLAYS CAPITAL INC(LEHX):

[] Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

### BLUE OCEAN ATS LLC(BLUE):

[] Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

### VIRTU Americas LLC(NITE):

[] Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

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**July 2024**

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**Option Contracts**



BARCLAYS CAPITAL INC(LEHX)	8.09	0.00	19.90	18.50	7.86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC(CDRG)	4.98	98.79	1.65	2.40	4.87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## Material Aspects

DASH FINANCIAL TECHNOLOGIES LLC(DASH):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

Mirae Asset Securities (USA) Inc (MIRA):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

NASDAQ EXECUTION SERVICES LLC(NSDQ):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

BARCLAYS CAPITAL INC(LEHX):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

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## August 2024

### 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
100.00	0.62	2.78	7.81	88.79

#### Venues

Venue Non-directed Order Flow	NonDirected 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)
DASH FINANCIAL TECHNOLOGIES LLC(DASH)	33.70	0.00	33.26	32.56	34.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mirae Asset Securities (USA) Inc (MIRA)	25.53	0.00	0.00	0.00	28.75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC(CDRG)	17.47	99.49	31.81	30.18	15.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BARCLAYS CAPITAL INC(LEHX)	10.83	0.00	14.52	16.50	10.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC(NITE)	5.83	0.00	14.22	12.80	4.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## Material Aspects

DASH FINANCIAL TECHNOLOGIES LLC(DASH):

□ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

Mirae Asset Securities (USA) Inc (MIRA):

□ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

Citadel Securities LLC(CDRG):

□ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

BARCLAYS CAPITAL INC(LEHX):

□ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

VIRTU Americas LLC(NITE):

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BARCLAYS CAPITAL INC(LEHX)	12.30	0.00	16.55	18.69	12.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC(CDRG)	5.94	99.32	2.30	3.07	5.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## Material Aspects

DASH FINANCIAL TECHNOLOGIES LLC(DASH):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

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## September 2024

### 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
100.00	0.56	2.49	7.31	89.64

#### Venues

Venue Non-directed Order Flow	NonDirected 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)
DASH FINANCIAL TECHNOLOGIES LLC(DASH)	34.92	0.00	43.61	42.56	34.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mirae Asset Securities (USA) Inc (MIRA)	34.70	0.00	0.00	0.00	38.71	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Securities LLC(CDRG)	15.77	99.41	31.15	31.20	13.56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BARCLAYS CAPITAL INC(LEHX)	6.95	0.00	7.96	9.86	6.72	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## Material Aspects

DASH FINANCIAL TECHNOLOGIES LLC(DASH):

☐ Mirae routes orders to market centers, such as exchanges and alternative trading systems, that may provide rebates or charge execution fees depending on whether routed orders provide liquidity, or take liquidity from, such market center. In some cases, Mirae may receive rebates from a market center that exceed the amount of fees charged by such market center. Certain market centers may provide volume-based tiered pricing/payment schedules pursuant to which Mirae may receive incremental pricing benefits based upon the aggregate trading volume routed to the market center (including trading volume not associated with customer orders), in accordance with that market center's published fee schedule.

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Citadel Securities LLC(CDRG):

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BARCLAYS CAPITAL INC(LEHX):

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**September 2024**

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## Option Contracts

### 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
0.00	0.00	0.00	0.00	0.00

**Venues**

Venue Non-directed Order Flow	NonDirected 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**