# DASH Financial Technologies LLC - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2025

# April 2025

## S&P 500 Stocks

#### Summary

Non-Directed Orders	Market Orders	Marketable Limit	Non-Marketable	Other Orders as %
as % of All Orders	as % of Non-	Orders as % of	Limit Orders as	of Non-Directed
	Directed Orders	Non-Directed	% of Non-	Orders
		Orders	Directed Orders	
54.17	40.42	32.80	0.00	26.77

#### 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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
Citadel ATS	31.15	0.00	0.00	0.00	31.90							-1,023.1930	-0.0495
Virtu	13.53	0.00	0.00	0.00	13.86							-480.2405	-0.0495
Hudson River	9.14	0.00	0.00	0.00	9.36							-176.7150	-0.0565
JUMP SDP	6.72	0.00	0.00	0.00	6.88							-206.1650	-0.0994
Sage ATS	6.15	0.00	0.00	0.00	6.29							-240.6590	-0.0500
NYSE Arca	4.89	0.00	26.28	42.00	4.32			25.5440	0.1192	-1.9370	-0.1411	317.5900	0.2546
NASDAQ	4.21	0.00	21.79	12.00	3.82			52.7221	0.1813	-0.4900	-0.1633	430.8960	0.2884
Jane Street	3.85	0.00	0.00	0.00	3.94								
Tower Research	3.43	0.00	0.00	0.00	3.51							-47.9730	-0.0970
XTX Markets	3.41	0.00	0.00	0.00	3.49								

## Material Aspects:

Citadel ATS(CITATS) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order

Virtu America LLC.(VIRTU) - Dash received the amounts identified in the disclosure for routing certain held orders in listed equities to Virtu. Due to the pass-through nature of some of these payments, most of the aforementioned amount is passed back to the originator of the order with the exception of a small routing/connectivity fee that may be retained by Dash

Hudson River Trading (HRTX) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order

Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Sage ATS (SAGE) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

NYSE Arca Equities (ARCAE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\_Arca\_Marketplace\_Fees.pdf

NASDAQ Exchange (NSDQE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2

Jane Street (JSJX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

XTX Martkest (XTSE) - DASH does not receive any rebates or fees for orders routed to this venue.

Notes: (1) Exchanges have tiers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions facilitated by the ATS occur through the automated auction facilities of registered options exchanges pursuant to the exchanges fuels. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee arising ements with Susquehedere and may receive a portion of the fees applicable to any given transaction of the fees applicable to any given transaction of the schedules.

## Non-S&P 500 Stocks

### Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
E	94.82	1.61	1.58	0.00	96.81

### 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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
07.1.1.470	00.04	2.22	0.00	0.00	00.45							4 400 7040	0.0400
Citadel ATS	28.81	0.00	0.00	0.00	29.45							-1,139.7810	-0.0492
Virtu	24.20	0.00	0.00	0.00	24.74							-5,152.1959	-0.0354
JUMP SDP	12.82	0.00	0.00	0.00	13.11							-1,053.8340	-0.0528
Tower Research	9.82	0.00	0.00	0.00	10.04							-708.3080	-0.0803
Sage ATS	6.06	0.00	0.00	0.00	6.19							-2,068.6680	-0.0500
Hudson River	3.82	0.00	0.00	0.00	3.90							-1,068.7140	-0.0558
NYSE Arca	3.27	0.00	18.10	65.85	2.92			2933.0860	0.1775	-21.8172	-0.1810	7,169.8432	0.2201
Jane Street	3.09	0.00	0.00	0.00	3.16								
NASDAQ	1.89	0.00	23.27	5.57	1.43			3968.4873	0.1779	-9.8170	-0.1664	4,894.0543	0.1867
IEX	1.29	0.00	0.00	0.00	1.31							1,754.3497	0.2087

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Citadel ATS(CITATS) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the

Virtu America LLC.(VIRTU) - Dash received the amounts identified in the disclosure for routing certain held orders in listed equities to Virtu. Due to the pass-through nature of some of these payments, most of the aforementioned amount is passed back to the originator of the order with the exception of a small routing/connectivity fee that may be retained by Dash

Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

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Investors Exchange (IEXG) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://iextrading.com/trading/fees/

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## **Options**

## Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.02	1.92	2.07	0.14	95.87

#### Venues

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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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
NYSE Arca	48.45	0.00	0.43	62.70	48.98			-455.8100	-0.6683	-5,736.1800	-0.5326	-187,746.4900	-0.2096
Cboe C1	13.72	0.00	26.86	4.38	13.60			9900.5425	0.2348	-279.8600	-0.2070	53,923.8600	0.3530
NASDAQ	7.76	0.00	0.00	0.60	7.89					-240.9500	-0.7087	145,310.1500	0.5134
ISE Mercury	4.66	0.00	5.00	0.27	4.67			-6287.6000	-0.3065	-274.9500	-0.4700	4,549.8500	0.0940
NASDAQ PHLX	4.48	0.00	1.38	1.00	4.53			-518.3800	-0.3942	-651.6000	-0.5107	11,289.2800	0.2682
MIAX	4.45	0.00	15.93	9.92	4.28			-20076.1000	-0.2205	-2,900.1400	-0.2680	-4,709.2382	-0.0600
NASDAQ ISE	3.24	0.00	3.29	4.27	3.23			4425.4300	0.4520	-8,358.1200	-2.1800	39,751.1100	0.4465
Cboe EDGX	2.52	0.00	9.65	3.38	2.43			-3840.7600	-0.3905	-195.3900	-0.2380	18,741.5200	0.3515
Cboe BZX	2.30	100.00	0.22	3.00	2.33	-21.0000	-1.0500	-424.4000	-1.0453	-899.6900	-0.9088	43,311.3700	0.3024
Cboe C2	1.52	0.00	0.07	0.62	1.54					-8.0400	-0.3655	51,355.4900	0.4470

#### Material Aspects:

NYSE ARCA Options (ARCA) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.nvse.com/outlicdocs/nvse/markets/arca-options/NYSE\_Arca\_Options\_Fee\_Schedule.odf

CBOE Exchange, Inc. (CBOE) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://cdn.cboe.com/resources/membership/Cboe\_FeeSchedule.pdf

NASDAQ Options Market (NOM) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rules/Nasdaq/rules/Nasdaq%20Options%207

NASDAQ MRX (MRX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rulebook/mrx/rules/MRX%20Options%207

NASDAQ PHLX (PHLX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.pasdag.com/ruleshook/phlx/rules/Phlx%/00.ortions%/07

MIAX Options (MIAX) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.miaxglobal.com/markets/us-options/fees

NASDAQ ISE (ISE)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdag.com/rulehook/ise/rules/ISF%20Options%207

CBOE EDGX Options Exchange (EDGO) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here-https://markets.cboe.com/us/options/membership/fee\_schedule/edgx/

CBOE BZX Options Exchange (BATO) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee schedule/bzx/

CBOE C2 Options Exchange (C2) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee\_schedule/bzx/

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## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders	Orders as % of	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
50.73	47.90	27.02	0.00	25.08

#### Venues

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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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
Citadel ATS	36.50	0.00	0.00	0.00	36.72							-744.3285	-0.0494
Virtu	12.66	0.00	0.00	0.00	12.74							-236.3610	-0.0492
Hudson River	11.67	0.00	0.00	0.00	11.74							-105.1995	-0.0492
JUMP SDP	9.86	0.00	0.00	0.00	9.92							-271.2510	-0.0986
Tower Research	6.02	0.00	0.00	0.00	6.06							-36.2300	-0.0944
Sage ATS	5.79	0.00	0.00	0.00	5.82							-130.1600	-0.0500
Jane Street	4.22	0.00	0.00	0.00	4.24								
NASDAQ	2.59	0.00	0.00	14.29	2.57					-0.1300	-0.1300	217.1392	0.2913
NYSE Arca	2.43	0.00	0.00	23.81	2.40					-0.8000	-0.2000	198.9530	0.2963
IEX	1.44	0.00	0.00	0.00	1.45							146.7932	0.2096

#### Material Aspects:

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Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

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## Non-S&P 500 Stocks

### Summary

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70.53	10.85	11.02	0.00	78.12

### Venues

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Citadel ATS	22.78	0.00	0.00	0.00	24.05							-510.0795	-0.0483
Virtu	20.82	0.00	0.00	0.00	21.97							-2,330.7773	-0.0469
JUMP SDP	10.93	0.00	0.00	0.00	11.53							-694.3600	-0.0867
Tower Research	6.74	0.00	0.00	0.00	7.11							-305.3260	-0.0836
Sage ATS	6.14	0.00	0.00	0.00	6.48							-958.8590	-0.0500
Hudson River	6.00	0.00	0.00	0.00	6.33							-447.7015	-0.0496
NYSE Arca	4.90	0.00	17.65	55.98	4.06			1338.0990	0.1728	-13.7430	-0.1273	2,416.8566	0.2078
Jane Street	4.16	0.00	0.00	0.00	4.39								
IEX	2.94	0.00	0.00	0.00	3.10							754.6292	0.2050
NASDAQ	2.67	0.00	21.71	12.47	1.65			1990.9058	0.2163	-6.0300	-0.1675	1,568.0559	0.1884

### Material Aspects:

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Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Sage ATS (SAGE) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Hudson River Trading (HRTX) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

NYSE Arca Equities (ARCAE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\_Arca\_Marketplace\_Fees.pdf

Jane Street (JSJX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Investors Exchange (IEXG) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://iextrading.com/trading/fees/

NASDAQ Exchange (NSDQE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2

Notes: (1) Exchanges have liers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions facilitated by the ATS occur through the automated auction facilities of registered options exchanges revailed. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee exists, DASH has Marketing Fee arrangements with Susqueharing and Belvedere and may receive a portion of the fees applicable to any invent renastical may review a fee greater than the stated exchange rate based on such Marketing Fee arrangements.

## **Options**

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.01	6.06	3.38	0.10	90.45

#### Venues

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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
NYSE Arca	60.85	0.00	0.02	57.94	62.46			19.9600	0.3992	-4,473.7400	-0.5591	-152,632.0600	-0.2273
Cboe C1	7.53	0.00	23.81	11.18	7.08			13975.0575	0.2731	-874.9025	-0.2110	38,196.3550	0.3563
NASDAQ	5.63	0.00	0.00	0.23	5.82					-13.0000	-0.2000	86,693.0500	0.4819
MIAX	3.87	0.00	17.70	11.54	3.44			-23382.2300	-0.1943	-2,628.8000	-0.2620	-9,144.8991	-0.1274
NASDAQ PHLX	3.32	0.00	2.75	0.88	3.36			-794.6100	-0.3647	-311.3200	-0.3792	5,859.0900	0.1987
Cboe BZX	2.95	100.00	0.00	0.81	3.05					-180.9800	-0.6678	24,443.4800	0.2033
Cboe EDGX	2.93	0.00	13.65	5.05	2.63			-5527.9200	-0.3778	-492.7900	-0.3316	8,761.9800	0.1968
NASDAQ ISE	2.63	0.00	2.64	2.20	2.63			11387.7200	0.4580	-222.3600	-2.1800	11,599.0200	0.1414
Cboe C2	1.72	0.00	0.00	0.20	1.77				•	-4.2200	-0.3517	56,426.3800	0.4693
ISE Mercury	1.64	0.00	6.94	0.12	1.52			-3314.2300	-0.0951	-34.7800	-0.4700	-1,473.6500	-0.0423

#### Material Aspects:

NYSE ARCA Options (ARCA) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.nvse.com/outlicdocs/nvse/markets/arca-options/NYSE Arca Options Fee Schedule.odf

CBOE Exchange, Inc. (CBOE) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://cdn.cboe.com/resources/membership/Cboe\_FeeSchedule.pdf

NASDAQ Options Market (NOM) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rules/Nasdaq/rules/Nasdaq%20Options%207

MIAX Options (MIAX) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.miaxglobal.com/markets/us-options/fees

NASDAQ PHLX (PHLX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here. https://listingcenter.pas/dac.com/rulebook/oblx/rules/Pblx%20/Ontions%207

CBOE BZX Options Exchange (BATO) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee\_schedule/bzx/

CBOE EDGX Options Exchange (EDGO) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here-https://markets.cboe.com/us/options/membership/fee schedule/edgx/

NASDAQ ISE (ISE)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rulebook/ise/rules/ISE%20Options%207

CBOE C2 Options Exchange (C2) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee schedule/bzx/

NASDAQ MRX (MRX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rulebook/mrx/rules/MRX%20Options%207

Notes: (1) Exchanges have tiers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions that ATS. Interest and the ATS acts through the automated auction facilities of registered options exchanges pursuant to the exchanges rules. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee exists, DASH has Marketing Fee arrangements with Susquehedere and may receive a portion of the fees applicable to any given transaction of the fees applicable to any given transaction of the stated exchange rate based on such Marketing Fee arrangements.

## S&P 500 Stocks

### Summary

Non-Directed Orders	Market Orders	Marketable Limit	Non-Marketable	Other Orders as %
as % of All Orders	as % of Non-	Orders as % of	Limit Orders as	of Non-Directed
	Directed Orders	Non-Directed	% of Non-	Orders
		Orders	Directed Orders	
49.23	42.66	28.63	0.00	28.71

### Venues

Venue - Non- directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	(73)	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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
Citadel ATS	38.54	0.00	0.00	0.00	38.69							-482.5145	-0.0483
Virtu	15.66	0.00	0.00	0.00	15.72							-191.5910	-0.0459
Hudson River	10.91	0.00	0.00	0.00	10.95							-78.7850	-0.0500
JUMP SDP	9.06	0.00	0.00	0.00	9.09							-187.1080	-0.0999
Jane Street	5.56	0.00	0.00	0.00	5.58								
Sage ATS	5.49	0.00	0.00	0.00	5.51							-140.4570	-0.0500
Tower Research	4.65	0.00	0.00	0.00	4.67							-36.9470	-0.0987
NASDAQ	2.02	0.00	0.00	4.35	2.01					-0.1300	-0.1300	131.3190	0.2804
NYSE Arca	1.59	0.00	0.00	60.87	1.42					-1.4650	-0.1279	99.4670	0.2803
IEX	1.46	0.00	0.00	0.00	1.46							141.8846	0.2135

#### Material Aspects:

Citadel ATS(CITATS) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Virtu America LLC.(VIRTU) - Dash received the amounts identified in the disclosure for routing certain held orders in listed equities to Virtu. Due to the pass-through nature of some of these payments, most of the aforementioned amount is passed back to the originator of the order with the exception of a small routing/connectivity fee that may be retained by Dash

Hudson River Trading (HRTX) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Jane Street (JSJX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Sage ATS (SAGE) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

NASDAQ Exchange (NSDQE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nasdadtrader.com/Trader.asox?id=PriceListTrading2

NYSE Arca Equities (ARCAE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\_Arca\_Marketplace\_Fees.pdf

Investors Exchange (IEXG) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://iextrading.com/trading/fees/

Notes: (1) Exchanges have tiers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions facilitated by the ATS occur through the automated auction facilities of registered options exchanges pursuant to the exchanges riuse. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee arising ements with Susquehedere and may receive a portion of the fees applicable to any given transaction may receive a fee greater than the stated exchange rate based on such Marketing Fee arrangements.

## Non-S&P 500 Stocks

#### Summarv

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders			
69.39	14.43	11.78	0.00	73.79			

### Venues

Vellues													
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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
Citadel ATS	18.65	0.00	0.00	0.00	19.25							-436.4485	-0.0484
Virtu	17.93	0.00	0.00	0.00	18.50							-2,082.0490	-0.0468
NASDAQ	12.23	0.00	17.30	7.46	12.09			615.9296	0.1736	-4.2500	-0.1700	1,938.4962	0.2568
JUMP SDP	7.44	0.00	0.00	0.00	7.68							-721.6970	-0.0902
Tower Research	6.47	0.00	0.00	0.00	6.68							-287.0980	-0.0861
Hudson River	6.09	0.00	0.00	0.00	6.29							-513.5835	-0.0494
Cboe EDGX	6.03	0.00	10.89	16.23	5.86			544.3124	0.1955	-2.7600	-0.1971	1,789.3721	0.2734
NYSE Arca	4.79	0.00	16.02	50.44	4.35			407.2690	0.1356	-10.6826	-0.1335	2,516.8367	0.2605
Sage ATS	4.58	0.00	0.00	0.00	4.73							-744.7565	-0.0499
Jane Street	3.57	0.00	0.00	0.00	3.69								

### Material Aspects:

Citadel ATS(CITATS) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the

Virtu America LLC.(VIRTU) - Dash received the amounts identified in the disclosure for routing certain held orders in listed equities to Virtu. Due to the pass-through nature of some of these payments, most of the aforementioned amount is passed back to the originator of the order with the exception of a small routing/connectivity fee that may be retained by Dash

NASDAQ Exchange (NSDQE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2

Jump Trading (JLEQ) - DASH does not receive any rebates or fees for orders routed to this venue.

Tower Research (TRCX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Hudson River Trading (HRTX) – DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

CBOE EDGX U.S. Equities Exchange (EDGX) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://markets.cboe.com/us/equities/membership/fee\_schedule/edgx/

NYSE Arca Equities (ARCAE) - DASH routes equity orders to the U.S. Equity Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule can be found here - https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\_Arca\_Marketplace\_Fees.pdf

Sage ATS (SAGE) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Jane Street (JSJX) - DASH does not pay any fee for orders routed to this venue but may receive rebates for routing certain held orders in listed equities to this venue. Due to the pass-through nature of these payments, rebates are passed back to the originator of the order.

Notes: (1) Exchanges have tiers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions facilitated by the ATS occur through the automated auction facilities of registered options exchanges pursuant to the exchanges river. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee arrangements with Susquehedere and may receive a portion of the fees applicable to any given transaction of the fees applicable to any given transaction of the schedules.

## **Options**

## Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.02	4.81	3.05	0.05	92.10

#### Venues

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)	Paid/Received for	Net Payment Paid/Received for Other Orders (cents per hundred shares)
NYSE Arca	63.15	0.00	0.02	53.36	64.58			-103.9300	-0.5249	-3,782.6100	-0.5496	-155,249.9500	-0.2294
Cboe C1	6.91	0.00	28.23	12.25	6.41			21294.0650	0.3134	-701.1700	-0.2017	42,592.2700	0.3606
NASDAQ	4.96	0.00	0.00	0.29	5.10					-1.0000	-0.2000	86,726.2100	0.4646
MIAX	3.59	0.00	12.70	10.71	3.34			-17609.9300	-0.2018	-2,300.9200	-0.2781	-10,075.9455	-0.1314
NASDAQ PHLX	3.26	0.00	2.40	0.43	3.30			-908.0400	-0.4150	-122.5400	-0.4345	6,984.1300	0.1913
Cboe BZX	2.67	100.00	0.00	3.06	2.72	-0.9600	-0.4800			-422.5800	-0.7546	25,605.3600	0.2152
NASDAQ ISE	2.57	0.00	3.47	0.89	2.56			11335.9600	0.4892	-780.4400	-2.1800	22,292.8500	0.2322
Cboe EDGX	2.53	0.00	12.55	6.51	2.28			-6135.6900	-0.3895	-370.0800	-0.2484	8,155.4400	0.2234
ISE Mercury	2.02	0.00	7.20	0.18	1.92			-4359.8600	-0.1419	-137.7100	-0.4700	4,301.1900	0.1192
Cboe C2	1.51	0.00	0.00	0.41	1.55					-13.1500	-0.4109	49,611.4300	0.4522

#### Material Aspects:

NYSE ARCA Options (ARCA) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.nvse.com/outlicdocs/nvse/markets/arca-options/NYSE\_Arca\_Options\_Fee\_Schedule.odf

CBOE Exchange, Inc. (CBOE) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://cdn.cboe.com/resources/membership/Cboe\_FeeSchedule.pdf

NASDAQ Options Market (NOM) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdaq.com/rules/Nasdaq/rules/Nasdaq%20Options%207

MIAX Options (MIAX) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://www.miaxglobal.com/markets/us-options/fees

NASDAQ PHLX (PHLX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here. https://listingcenter.pas/dac.com/rulebook/phlx/rules/Phlx%20Ontions%207

CBOE BZX Options Exchange (BATO) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee\_schedule/bzx/

NASDAQ ISE (ISE)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here. https://listingcenter.nasdag.com/rulebook/ise/rules/ISF%20Options%207

CBOE EDGX Options Exchange (EDGO) - DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Exchange Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here -https://mar/kets.cboe.com/us/options/membership/fee\_schedule/edgx/

NASDAQ MRX (MRX)- DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://listingcenter.nasdag.com/rulebook/mrx/rules/MRX%20Options%207

CBOE C2 Options Exchange (C2) DASH routes option orders to the U.S. Option Exchanges and may collect payment in accordance with exchange's published rates. Fees (and rebates) are non-negotiable and are set by the exchange. The fee schedules may contain tiers based on volume thresholds. Detailed fee schedule is available here - https://markets.cboe.com/us/options/membership/fee\_schedule/bzx/

Notes: (1) Exchanges have tiers that depend on a range of factors and may not necessarily apply to the orders covered by this report. The fee paid or rebate received for Customer not-held orders that are subject to these disclosures is as disclosed in this public report. (2) DASH operates an ATS (DASH ATS) for options. However, Dash ATS is not reported as a venue because the ATS does not execute Subscriber orders, and no trades actually occur on Dash ATS. All transactions facilitated by the ATS occur through the automated auction facilities of registered options exchanges pursuant to the exchanges fuels. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contra Liquidity Providers, of the ATS. The transactions facilitated by the ATS are subject to fee and rebate structures contained in the aforementioned exchange agreements. (3) Options Exchanges have Exchange Marketing Fee programs which are described in the exchange fee schedules. Where such Marketing Fee arising ements with Susquehedere and may receive a portion of the fees applicable to any given transaction of the fees applicable to any given transaction of the stated exchange rate based on such Marketing Fee arrangements.