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

Generated on 2025-04-17 12:10:14 GMT-0400 (Eastern Daylight Time)

1st Quarter, 2025

January 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders	Orders as % of		Other Orders as % of Non-Directed Orders
45.81	27.50	32.67	0.00	39.83

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	27.50	0.00	0.00	0.00	29.57							-596.6450	-0.0476
Virtu	8.81	0.00	0.00	0.00	9.47							-167.2120	-0.0478
Hudson River	7.27	0.00	0.00	0.00	7.82							-223.6260	-0.1489
NASDAQ	7.24	0.00	34.53	18.37	5.32			94.5433	0.1745	-4.5400	-0.1621	105.6294	0.2639
Tower Research	6.52	0.00	0.00	0.00	7.01							-53.5720	-0.1000
JUMP SDP	5.70	0.00	0.00	0.00	6.13							-60.7790	-0.0963
Cboe BZX	5.42	0.00	30.69	21.43	3.59			26.8138	0.1553	-2.9800	-0.1753	58.0260	0.2986
Sage ATS	5.08	0.00	0.00	0.00	5.46							-106.8455	-0.0500
NYSE Arca	4.88	0.00	16.96	36.73	3.81			20.8530	0.1153	-6.3890	-0.1882	68.2110	0.2929
Cboe EDGX	3.83	0.00	11.39	13.27	3.24			19.3258	0.1450	-1.4400	-0.1600	110.9190	0.3000

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

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.

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

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.

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

CBOE BZX U.S. Equities Exchange (BATS) - 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.cboe.com/us/equities/membership/fee_schedule/bzx/

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

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/

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 the ATS occur 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 contral Liquidity Providers, of the ATS. The transactions racilitated 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 Susqueharder and may receive a portion of the fees applicable to any given transaction or may receive a fee greater than the stated exchange rate based on such Marketing Fee arrangements.

Non-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	
84.79	6.45	3.48	0.00	90.07

/enues

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	14.49	0.00	0.00	0.00	16.38							-1,133.1040	-0.0487
Virtu	14.33	0.00	0.00	0.00	16.20							-7,554.3404	-0.0446
NYSE Arca	7.90	0.00	28.88	37.58	5.15			10842.0320	0.1288	-10.7818	-0.1934	13,128.7980	0.1516
JUMP SDP	7.33	0.00	0.00	0.00	8.28							-1,386.6080	-0.0898
NASDAQ	6.55	0.00	26.87	16.70	3.91			10334.3323	0.1281	-5.0420	-0.1313	11,451.6923	0.1456
Tower Research	6.52	0.00	0.00	0.00	7.38							-4,691.7810	-0.0981
Cboe BZX	5.46	0.00	5.75	6.05	5.42			2387.3020	0.2146	-4.0000	-0.1600	18,922.8244	0.2871
Sage ATS	5.10	0.00	0.00	0.00	5.76							-2,083.2185	-0.0500
Hudson River	4.62	0.00	0.00	0.00	5.22							-6,390.5745	-0.1483
Cboe EDGX	4.31	0.00	17.41	8.35	2.61			7472.6754	0.1802	-2.7200	-0.1600	8,018.1917	0.1951

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

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

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

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=PriceLisfTrading2

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.

CBOE BZX U.S. Equities Exchange (BATS) - 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.cboe.com/us/equities/membership/fee_schedule/bzx/

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.

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/

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 facilities by the ATS occur 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 quiven transaction 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	Orders as % of	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.03	2.15	2.39	0.14	95.32

Venues

VEITUES													
Venue - Non-	Non-Directed	Market Orders	Marketable Limit	Non-Marketable	Other Orders	Net Payment	Net Payment	Net Payment	Net Payment	Net Payment	Net Payment		Net Payment Paid/Received
directed Order Flow	Orders (%)	(%)	Orders (%)	Limit Orders (%)	(%)	Paid/Received for	Paid/Received for	Paid/Received for	Paid/Received for	Paid/Received for	Paid/Received for		for Other Orders (cents per
						Market Orders	Market Orders	Marketable Limit	Marketable Limit	Non-Marketable	Non-Marketable Limit	Other Orders (USD)	hundred shares)
						(USD)	(cents per hundred	Orders (USD)	Orders (cents per	Limit Orders	Orders (cents per		
							shares)		hundred shares)	(USD)	hundred shares)		
-													
NYSE Arca	66.94	0.00	0.10	57.54	68.01			-979.1700	-0.5105	-8,316.6700	-0.5370	-236,668.6700	-0.2614
Cboe C1	6.80	0.00	35.71	5.91	6.36			21809.7700	0.2992	-324.1575	-0.2171	45,468.7975	0.3438
NASDAQ	4.27	0.00	0.01	1.77	4.35					-32.9000	-0.1982	115,847.7100	0.4638
Cboe BZX	3.17	100.00	0.01	4.92	3.21	-0.4800	-0.4800			-500.2500	-0.9095	39,555.8300	0.2896
MIAX	2.88	0.00	12.98	9.06	2.70			-19935.1300	-0.2260	-1,946.4500	-0.2464	-13,815.2537	-0.1791
NASDAQ PHLX	2.81	0.00	0.13	0.20	2.86			-58.0700	-0.4005	1.5000	0.0357	8,514.0800	0.2047
Cboe EDGX	2.17	0.00	8.72	5.28	2.05			-4181.0600	-0.4089	-255.2400	-0.3147	10,112.9600	0.2312
NASDAQ ISE	1.87	0.00	3.79	4.79	1.83			5957.9500	0.4960	-2,258.4800	-2.1758	28,466.6100	0.3499
Cboe C2	1.58	0.00	0.00	1.90	1.60					-11.8400	-0.3116	42,688.6400	0.4116
MIAX Pearl	1.57	0.00	0.00	1.68	1.59					-21.1100	-0.2455	47,552.2400	0.4385

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.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

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/rulebook/nasdaq/rules/Nasdaq%20Options%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/

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.nasdaq.com/rulebook/phix/rules/Phix%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/

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/

MIAX Pearl (Pearl) 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/pearl-options/fees

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February 2025

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		Other Orders as % of Non-Directed Orders
55.11	30.65	38.61	0.00	30.74

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	28.86	0.00	0.00	0.00	30.05							-806.4985	-0.0484
Virtu	11.37	0.00	0.00	0.00	11.83							-330.5800	-0.0496
Hudson River	9.07	0.00	0.00	0.00	9.44							-434.9850	-0.1483
NASDAQ	7.29	0.00	39.96	12.66	6.09			125.9320	0.1575	-6.1600	-0.1467	209.4857	0.2762
JUMP SDP	6.11	0.00	0.00	0.00	6.36							-71.1000	-0.0985
Sage ATS	5.98	0.00	0.00	0.00	6.23							-193.7930	-0.0500
NYSE Arca	3.90	0.00	18.50	48.10	3.13			42.3900	0.1421	-11.7500	-0.2104	206.3110	0.2799
Jane Street	3.76	0.00	0.00	0.00	3.91								
Cboe BZX	3.68	0.00	25.39	12.66	2.86			17.7878	0.1139	-4.1300	-0.1652	110.8450	0.2766
Cboe EDGX	3.07	0.00	6.50	12.66	2.90			22.0086	0.1885	-2.2100	-0.1700	174.2890	0.2884

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

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.

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.

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

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.

CBOE BZX U.S. Equities Exchange (BATS) - 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.cboe.com/us/equities/membership/fee_schedule/bzx/

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/

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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		Other Orders as % of Non-Directed Orders
73.19	12.70	9.05	0.00	78.25

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 Other Orders (USD)	Net Payment Paid/Received for Other Orders (cents per hundred shares)
Citadel ATS	12.42	0.00	0.00	0.00	14.10							-746.6740	-0.0487
Virtu	12.09	0.00	0.00	0.00	13.72							-5,184.2814	-0.0463
NYSE Arca	9.80	0.00	28.84	59.12	7.20			8379.6660	0.1427	-34.8780	-0.1916	7,859.9484	0.1585
NASDAQ	7.85	0.00	28.24	7.18	5.11			7725.8386	0.1494	-27.7300	-0.1722	5,927.7699	0.1514
Cboe BZX	6.38	0.00	7.51	8.29	6.23			597.9378	0.2165	-16.9600	-0.1600	11,769.6698	0.2952
JUMP SDP	5.78	0.00	0.00	0.00	6.56							-1,147.4640	-0.0922
Sage ATS	5.46	0.00	0.00	0.00	6.20							-2,051.7120	-0.0500
Cboe EDGX	5.08	0.00	16.36	13.26	3.56			4656.0148	0.1780	-8.1600	-0.1600	4,492.8168	0.1991
Hudson River	4.98	0.00	0.00	0.00	5.65							-3,864.9810	-0.1490
IEX	4.58	0.00	0.00	0.00	5.20							1,787.0154	0.1977

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

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.myse.com/oublicdocs/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

CBOE BZX U.S. Equities Exchange (BATS) - 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.cboe.com/us/equities/membership/fee_schedule/bzx/

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.

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/

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.

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 transaction that ATS. Interest and the ATS occur 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.

Options

Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders	Marketable Limit Orders as % of Non-Directed Orders		Other Orders as % of Non-Directed Orders
L	0.03	2.00	2.55	0.19	95.26

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	58.40	0.00	0.05	52.72	59.39			-311.8300	-0.4903	-3,300.5600	-0.5419	-265,204.9000	-0.2896
Cboe C1	9.21	0.00	32.37	10.66	8.82			25973.9325	0.3055	-480.3625	-0.1655	35,336.8275	0.2429
Cboe BZX	4.97	100.00	0.02	12.23	5.01	-1.5300	-0.7650	-304.6500	-1.0121	-846.8400	-0.4113	30,843.5100	0.1948
NASDAQ	4.37	0.00	0.00	0.46	4.46					-8.1500	-0.1567	109,531.1500	0.4334
MIAX	3.95	0.00	11.55	6.78	3.81			-19825.8600	-0.2166	-1,434.3600	-0.2657	-8,338.9720	-0.1112
NASDAQ PHLX	3.86	0.00	1.27	0.08	3.92			-589.3800	-0.3291	3.3000	0.3000	6,120.2200	0.1458
NASDAQ ISE	2.53	0.00	4.32	2.57	2.50			9354.3900	0.4968	-1,654.6200	-2.1800	20,592.6000	0.2711
Cboe EDGX	2.47	0.00	7.83	3.80	2.37			-5438.4700	-0.3655	-305.2500	-0.2819	6,868.2300	0.1530
ISE Mercury	2.43	0.00	5.93	0.06	2.38			-5495.6400	-0.2197			994.8800	0.0312
Cboe C2	1.57	0.00	0.00	0.61	1.60				•	-8.8800	-0.3415	47,966.0200	0.4225

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.nyse.com/outlicdocs/nyse/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

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 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.nasdag.com/rulebook/nasdag/rules/Nasdag%20/Options%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.nasdaq.com/rulebook/phlx/rules/Phlx%20Options%207

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 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 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

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 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 exists, DASH has Marketing Fee arrangements with Susquehedere and may receive a portion of the fees applicable to any diven transaction or may receive a be de greater than the stated exchange rate based on such Marketing Fee arrangements.

S&P 500 Stocks

Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non- Directed Orders	Orders as % of		Other Orders as % of Non-Directed Orders
ı	65.58	21.57	64.66	0.00	13.77

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	34.22	0.00	0.00	0.00	35.36							-933.8760	-0.0446
Virtu	17.85	0.00	0.00	0.00	18.44							-495.3645	-0.0418
Hudson River	8.84	0.00	0.00	0.00	9.13							-426.3720	-0.1448
JUMP SDP	6.59	0.00	0.00	0.00	6.81							-141.8290	-0.0891
Sage ATS	5.99	0.00	0.00	0.00	6.19							-318.1305	-0.0500
XTX Markets	3.89	0.00	0.00	0.00	4.02								
Jane Street	3.76	0.00	0.00	0.00	3.88								
NASDAQ	3.51	0.00	52.77	5.59	2.18			149.2101	0.1567			349.2501	0.2865
NYSE Arca	2.94	0.00	24.22	74.13	1.90			34.4740	0.1074	-6.9260	-0.2259	255.9130	0.2748
Tower Research	2.68	0.00	0.00	0.00	2.77							-42.8810	-0.0974

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

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.

XTX Martkest (XTSE) - 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.

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

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

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.

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 fee additions. However, Dash ATS, and 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 rules. As such, DASH is paid a commission/fee by the Subscribers, both Originating Order Senders and the contral 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 have Exchange have 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 the stated exchange rate based on such Marketing Fee arrangements.

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		Other Orders as % of Non-Directed Orders		
90.60	4.33	6.75	0.00	88.92		

Venues

VEITUES													
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	19.64	0.00	0.00	0.00	21.67							-1,009.7435	-0.0481
Virtu	18.91	0.00	0.00	0.00	20.86							-6,381.0436	-0.0397
JUMP SDP	9.36	0.00	0.00	0.00	10.33							-2,998.2550	-0.0878
NYSE Arca	7.19	0.00	31.49	90.82	4.57			13057.5620	0.1287	-39.7688	-0.1623	14,159.8313	0.1573
Tower Research	6.95	0.00	0.00	0.00	7.67							-2,644.4080	-0.0900
Sage ATS	5.22	0.00	0.00	0.00	5.76							-3,402.3110	-0.0500
NASDAQ	5.02	0.00	27.92	1.45	2.70			10485.6398	0.1339	-18.5542	-0.1767	9,438.5894	0.1428
Hudson River	4.35	0.00	0.00	0.00	4.80							-5,878.9050	-0.1481
Jane Street	3.82	0.00	0.00	0.00	4.22								
Cboe BZX	3.82	0.00	5.44	1.93	3.66			2512.9818	0.2617	-11.7600	-0.1589	16,420.7104	0.2954

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

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

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

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

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.

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

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.

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.

CBOE BZX U.S. Equities Exchange (BATS) - 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.cboe.com/us/equities/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. (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 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 occur and 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 the stated exchange rate based on such Marketing Fee arrangements.

Options

Summary

- united				
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
			Directed Orders	
0.03	1.67	1.97	0.16	96.20

Venues

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	54.69	0.00	0.07	58.66	55.42			-194.4300	-0.2830	-4,110.2800	-0.5391	-215,806.5600	-0.2467
Cboe C1	9.87	0.00	30.13	9.73	9.59			39137.1350	0.4271	-514.8800	-0.1676	59,579.1350	0.3800
NASDAQ	5.66	0.00	0.00	0.45	5.76					-102.2000	-0.4844	122,008.5400	0.4758
NASDAQ PHLX	5.28	0.00	1.82	0.96	5.34			-1104.1700	-0.3909	-247.3500	-0.4489	6,560.0200	0.1823
MIAX	5.07	0.00	13.24	6.20	4.95			-21092.9300	-0.2089	-1,691.6100	-0.2815	-6,645.9256	-0.0956
ISE Mercury	3.60	0.00	6.04	0.02	3.58			-4771.6900	-0.1688	-0.4700	-0.4700	70.5900	0.0020
Cboe EDGX	3.47	0.00	8.82	5.81	3.39			-6121.9300	-0.4052	-414.5200	-0.2693	11,938.8900	0.2265
NASDAQ ISE	2.89	0.00	3.77	3.55	2.88			6258.6500	0.4481	-1,842.1000	-2.1800	39,606.9900	0.4198
Cboe BZX	2.24	100.00	0.03	4.05	2.26			-657.6500	-0.9198	-948.6600	-0.9468	32,166.5700	0.2454
MIAX Pearl	1.42	0.00	0.00	2.77	1.43					-33.1500	-0.2986	46,378.7000	0.4600

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.nyse.com/publicdocs/nyse/markets/arca-options/NYSE Arca Options Fee Schedule.pdf

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 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.nasdaq.com/rulebook/phlx/rules/Phlx%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 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

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 schedule may contain tiers based on volume thresholds. Detailed fee schedule is available here. https://markets.choe.com/us/options/membership/fee

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 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/

MIAX Pearl (Pearl) 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/pearl-options/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 actually provides and the subject of the ATS in the transactions actually provides and the contra Liquidity Providers on the ATS. The transactions facilities 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 igner transaction of the fees applicable to any igner transaction the stated exchange rate based on such Marketing Fee arrangements.