

BTIG, LLC - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2026

January 2026

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

January 2026

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

January 2026

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
90.31	0.43	3.33	28.50	67.75

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA OPTIONS	28.01	0.00	1.21	73.68	10.29	0.00	0.0000	-1,534.26	-32.0440	75,105.40	45.0637	44,768.03	41.2841
Miami International Securities Exchange, LLC	8.90	0.09	39.50	1.76	10.46	0.00	0.0000	-1,296.13	-2.9951	-306.29	-3.0025	-421.66	-4.0882
Nasdaq ISE, LLC	7.18	0.84	2.35	2.60	9.38	49.07	38.3359	-2,374.60	-32.4134	3,120.62	48.4719	2,407.94	28.6080
Cboe Exchange, Inc.	6.94	0.65	11.81	0.86	9.30	0.04	0.2500	27.90	0.1200	-2,028.11	-29.3801	-750.08	-14.6043
Cboe EDGX Exchange, Inc.	6.71	0.09	6.18	0.11	9.55	-0.05	-1.0000	-56.10	-2.2304	-6.50	-2.3551	3,109.52	20.6915
BOX Exchange LLC	6.53	1.86	17.43	0.04	8.75	11.40	10.0000	-95.38	-0.2249	11.99	5.4749	12,238.74	62.7467
Cboe C2 Exchange, Inc.	6.50	0.28	1.09	1.59	8.87	20.77	39.9423	-682.88	-29.4345	27.42	0.4967	-13,314.04	-32.0234
MIAX Emerald, LLC	6.33	0.28	2.36	1.55	8.57	0.00	0.0000	11.28	0.7763	1,063.38	40.1275	-1,823.98	-11.6750
Nasdaq PHLX LLC	5.79	0.00	1.14	0.19	8.41	0.00	0.0000	-33.50	-5.2011	-77.93	-26.1510	-361.54	-4.6972
NYSE American LLC	5.69	0.00	1.23	0.03	8.33	0.00	0.0000	-19.28	-1.2160	-16.70	-3.1332	-402.50	-3.4514
Cboe BZX Exchange, Inc.	5.05	0.00	0.98	3.34	5.99	0.00	0.0000	347.53	17.8955	9,040.62	67.9695	-1,732.96	-17.4219

Material Aspects:

NYSE ARCA OPTIONS:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

Miami International Securities Exchange, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://www.miaxglobal.com/markets/us-options/all-options-exchanges/fees>

Nasdaq ISE, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Cboe Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/cone

Cboe EDGX Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/edgx/

BOX Exchange LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://boxoptions.com/regulatory/fee-schedule/>

Cboe C2 Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/

MIAX Emerald, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://www.miaxglobal.com/markets/us-options/all-options-exchanges/fees>

Nasdaq PHLX LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: http://www.nasdaqtrader.com/trader.aspx?id=bx_pricing

NYSE American LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE_American_Options_Fee_Schedule.pdf

Cboe BZX Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/bzx/

February 2026

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

February 2026

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

February 2026

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
89.21	0.61	5.37	51.19	42.83

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)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA OPTIONS	43.43	0.36	1.22	75.31	11.24	4.41	49.0000	-588.87	-36.3052	92,236.21	37.6275	64,883.78	45.5060
Miami International Securities Exchange, LLC	6.90	0.18	38.16	1.39	9.67	0.00	0.0000	-1,534.92	-2.9514	-425.24	-3.0242	-205.76	-3.3522
Nasdaq ISE, LLC	5.75	0.54	2.71	2.57	10.01	15.99	39.0000	-1,299.96	-27.8125	2,114.34	24.2916	1,791.96	17.5941
Cboe Exchange, Inc.	5.58	1.07	15.48	1.14	9.71	11.89	32.1419	-582.29	-2.5036	-2,367.00	-19.3873	-437.63	-10.8835
Cboe EDGX Exchange, Inc.	4.81	0.54	7.51	0.03	10.26	-0.65	-1.0000	-63.73	-1.7532	-12.06	-2.3919	1,870.69	18.5125
Nasdaq PHLX LLC	4.29	0.00	1.08	0.26	9.57	0.00	0.0000	-173.45	-12.3540	-87.68	-18.0401	-642.16	-8.0918

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
BOX Exchange LLC	4.14	2.86	15.29	0.02	7.69	25.40	10.0000	-136.26	-0.3398	24.52	4.9326	6,565.37	52.0730
Cboe C2 Exchange, Inc.	4.07	0.09	0.89	1.52	7.56	29.60	40.0000	-311.39	-18.7924	192.46	2.0867	-2,665.34	-18.3147
Cboe BZX Exchange, Inc.	3.90	0.27	1.52	2.99	5.33	6.72	48.0000	978.28	30.8606	7,185.25	50.2219	-852.80	-16.8337
MIAX Emerald, LLC	3.82	0.18	1.14	1.41	7.09	3.50	50.0000	-494.92	-24.6845	421.66	14.7277	-71.18	-0.7015

Material Aspects:

NYSE ARCA OPTIONS:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

Miami International Securities Exchange, LLC:

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Nasdaq ISE, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Cboe Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/cone

Cboe EDGX Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/edgx/

Nasdaq PHLX LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: http://www.nasdaqtrader.com/trader.aspx?id=bx_pricing

BOX Exchange LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://boxoptions.com/regulatory/fee-schedule/>

Cboe C2 Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/

Cboe BZX Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/bzx/

MIAX Emerald, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: <https://www.miaxglobal.com/markets/us-options/all-options-exchanges/fees>

March 2026

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

March 2026

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

March 2026

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
88.47	0.56	3.84	41.33	54.27

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA OPTIONS	38.91	0.36	4.02	78.58	11.56	8.33	49.0000	483.50	12.9070	77,903.98	38.3171	23,173.24	22.6680
Miami International Securities Exchange, LLC	7.19	0.27	39.25	1.47	9.36	0.00	0.0000	-1,070.36	-2.7147	-454.10	-2.9967	-482.20	-4.5793
Nasdaq ISE, LLC	6.30	0.36	2.54	2.41	9.59	12.09	39.0000	-1,550.92	-26.1317	1,297.45	18.5695	1,575.63	19.3733
Cboe Exchange, Inc.	5.94	0.91	13.26	0.96	9.27	14.30	25.9955	-94.68	-0.6272	-1,765.82	-17.1223	-326.84	-12.3475
Cboe EDGX Exchange, Inc.	5.49	0.55	5.50	0.03	9.70	-0.46	-1.0000	154.10	7.9104	-3.16	-1.2421	1,129.42	15.2295
Cboe C2 Exchange, Inc.	5.45	0.09	1.27	1.12	9.11	0.40	40.0000	374.62	20.8583	35.62	0.4466	-4,273.52	-19.3987
BOX Exchange LLC	5.36	3.65	10.34	0.03	9.09	15.80	6.6949	-226.07	-0.7426	-214.72	-33.7618	7,539.75	50.2315
MIAX Emerald, LLC	5.27	0.36	1.01	1.06	8.83	11.50	50.0000	309.92	41.3785	448.45	33.9992	-952.60	-5.9237
Nasdaq PHLX LLC	4.97	0.00	1.13	0.06	9.04	0.00	0.0000	16.20	2.1826	-53.76	-29.7017	-424.35	-6.8899
NYSE American LLC	4.78	0.09	1.87	0.02	8.65	0.00	0.0000	251.03	9.8675	-8.20	-1.6967	-370.74	-3.3792

Material Aspects:

NYSE ARCA OPTIONS:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

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Nasdaq ISE, LLC:

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Cboe Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/cone

Cboe EDGX Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/edgx/

Cboe C2 Exchange, Inc.:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/

BOX Exchange LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here:
<https://boxoptions.com/regulatory/fee-schedule/>

MIAX Emerald, LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers. Detailed fee schedule is available here:
<https://www.miaxglobal.com/markets/us-options/all-options-exchanges/fees>

Nasdaq PHLX LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers.
Detailed fee schedule is available here:
http://www.nasdaqtrader.com/trader.aspx?id=bx_pricing

NYSE American LLC:

Venue is a result of routes to Wolverine Execution Services, LLC, Dash Financial Technologies, LLC, and/or Goldman Sachs & Co. LLC. The firm is charged commission plus exchange and clearing fees, less exchange rebates where applicable. The Firm is charged between \$0.03/contract to \$0.035/contract by the above mentioned brokers.
Detailed fee schedule is available here:
https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE_American_Options_Fee_Schedule.pdf