

# MLCO.GWIM.NEW - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2024

April 2024

## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	38.84	2.35	57.20	1.61

### 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)
BofA Securities, Inc.	80.74	59.67	83.97	94.42	98.42	-1,699.39	-0.1439	-4,951.18	-2.1924	89,261.57	20.5808	2,592.51	1.7732
CITADEL SECURITIES LLC	4.45	11.42	0.16	0.00	0.61	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	3.44	8.83	0.13	0.00	0.48	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC.	2.37	0.66	9.59	3.30	0.11	-279.79	-2.3968	-532.81	-3.3582	1,027.89	19.6951	-3.44	-2.8409
Two Sigma Securities, LLC	2.33	5.99	0.09	0.00	0.18	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Jane Street Capital	2.29	5.90	0.08	0.00	0.01	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
The Nasdaq Stock Market LLC	1.48	0.34	5.41	2.14	0.07	-192.95	-3.3433	-354.60	-6.4429	1,811.55	28.8247	-1.79	-3.3664
G1 Execution Services, LLC	1.41	3.61	0.04	0.00	0.12	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS Securities, LLC	1.39	3.57	0.06	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Cboe BZX Exchange, Inc.	0.02	0.00	0.09	0.04	0.00	-0.06	-7.5375	-71.49	-29.2305	224.16	23.7707	-0.21	-10.1415

Material Aspects:

BofA Securities, Inc.:

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (LeveL and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zanbato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIAx family of options exchanges, including MIAx Pearl, LLC and MIAx Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NEW YORK STOCK EXCHANGE, INC.:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

Two Sigma Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

The Nasdaq Stock Market LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

G1 Execution Services, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

UBS Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Cboe BZX Exchange, Inc.:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://www.cboe.com/us/equities/membership/fee_schedule/bzx/)

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## April 2024

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	36.34	4.31	57.76	1.59

#### 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)
BofA Securities, Inc.	85.64	67.70	88.96	96.31	99.11	-8,799.97	-0.1883	-113,569.46	-4.7107	352,753.12	14.7380	4,513.11	0.8523
CITADEL SECURITIES LLC	3.36	9.21	0.18	0.00	0.31	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	2.59	7.11	0.14	0.00	0.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Two Sigma Securities, LLC	1.76	4.82	0.09	0.00	0.16	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Jane Street Capital	1.73	4.76	0.09	0.00	0.01	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 Execution Services, LLC	1.06	2.92	0.05	0.00	0.15	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS Securities, LLC	1.03	2.83	0.06	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE Arca, Inc.	0.88	0.21	3.20	1.15	0.04	-1,662.49	-15.0835	-3,452.70	-13.4784	1,506.44	21.8408	-16.93	-11.2395
The Nasdaq Stock Market LLC	0.82	0.18	2.56	1.11	0.05	-317.11	-3.5588	-4,519.99	-15.8319	4,348.26	22.4610	-6.29	-6.7463
NEW YORK STOCK EXCHANGE, INC.	0.76	0.19	2.32	1.02	0.03	-398.38	-3.6039	-3,704.68	-12.6307	2,661.99	15.4893	-9.10	-3.7660

#### Material Aspects:

BofA Securities, Inc.:

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (Level and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zambato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIA family of options exchanges, including MIA Pearl, LLC and MIA X Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Two Sigma Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

G1 Execution Services, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

UBS Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NYSE Arca, Inc.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf).

The Nasdaq Stock Market LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

NEW YORK STOCK EXCHANGE, INC.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

April 2024

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	4.30	20.09	53.83	21.78

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	28.96	0.00	8.64	49.72	2.12	0.00	0.0000	25,252.72	14.1277	574,744.00	53.6281	-13,837.74	-26.7681
Nasdaq PHLX LLC	17.71	0.00	2.62	29.91	4.96	7.70	70.0000	10,809.72	21.0355	31,437.76	23.9906	7,087.53	15.3539
Dash/IMC Financial Markets	7.75	27.34	5.98	1.53	20.91	0.00	0.0000	53,939.08	32.4531	22,839.81	33.6176	78,104.83	42.5783
CITADEL SECURITIES LLC	7.68	36.99	13.02	0.73	14.16	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Cboe Exchange, Inc.	7.38	0.00	15.18	4.27	9.36	0.00	0.0000	38,602.71	11.2039	-6,960.53	-5.1730	887.38	0.7650
Nasdaq ISE, LLC	7.31	0.00	1.42	0.54	30.93	0.00	0.0000	-10,799.96	-23.6982	9,848.68	63.0598	39,747.60	24.5065
Global Execution Brokers, LP	5.76	35.66	12.18	0.88	5.99	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Nasdaq BX, Inc.	4.05	0.00	3.89	6.08	0.01	0.00	0.0000	-41,739.70	-35.1984	96,399.74	99.2512	-0.04	-4.5000

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)
The NASDAQ Options Market LLC	2.16	0.00	3.06	2.87	0.01	0.00	0.0000	-32,177.60	-30.7985	71,598.38	45.7194	0.00	0.0000
BOX Exchange LLC	2.10	0.00	9.12	0.28	0.55	0.00	0.0000	-329.62	-0.1177	-153.27	-2.9418	-413.01	-4.5000

## Material Aspects:

### NYSE ARCA OPTIONS:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing during this quarter. In April, May and June, BofAS qualified for an additional \$0.25 customer posting rebate in Penny Interval Program symbols, and an additional \$0.25 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

### Nasdaq PHLX LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/phlx/rules>.

### Dash/IMC Financial Markets:

Orders routed to this market center for execution may be executed by such center or may be further routed by Dash to other venues (such as exchanges or other market centers) for execution. For MLPF&S's customer orders routed to exchanges, Dash pays fees or receives credits in accordance with the published fee schedules of the relevant exchanges, may receive incremental pricing benefits in accordance with such published fee schedules, and may participate in fee programs sponsored by the relevant exchanges. In some cases, the credits or rebates offered by relevant exchanges to Dash over a period of time may exceed the charges assessed and, in such cases, Dash passes through to BofAS the net credit or net charge attributable to MLPF&S customer orders, which BofAS in turn passes through to MLPF&S.

### CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

### Cboe Exchange, Inc.:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/options/membership/fee\\_schedule/cone/](https://www.cboe.com/us/options/membership/fee_schedule/cone/).

### Nasdaq ISE, LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/ise/rules>.

### Global Execution Brokers, LP:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

### Nasdaq BX, Inc.:

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/bx/rules/BX%20Options%207>.

### The NASDAQ Options Market LLC:

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In April, May, June, BofAS qualified for an additional \$0.30 customer posting rebate in Penny Interval Program symbols and an additional \$0.30 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/Nasdaq%20Options%207>.

### BOX Exchange LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://boxoptions.com/fee-schedule/>

## May 2024

# S&P 500 Stocks

## Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	39.06	2.25	57.01	1.69

## 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)
BofA Securities, Inc.	80.59	59.18	84.48	94.57	98.62	-2,051.60	-0.1892	-4,722.24	-2.4388	85,986.12	21.8621	2,032.97	1.5112
CITADEL SECURITIES LLC	4.53	11.57	0.17	0.00	0.50	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	3.59	9.15	0.12	0.00	0.45	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Jane Street Capital	2.35	6.00	0.08	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Two Sigma Securities, LLC	2.33	5.94	0.09	0.00	0.19	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC.	2.30	0.66	9.20	3.23	0.07	-258.28	-2.4719	-457.24	-3.6554	1,033.06	19.5808	-1.67	-2.3367
The Nasdaq Stock Market LLC	1.41	0.33	5.32	2.04	0.05	-220.38	-4.3236	-378.80	-7.2398	1,726.20	28.9035	-0.19	-0.3728
UBS Securities, LLC	1.41	3.61	0.04	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 Execution Services, LLC	1.39	3.56	0.06	0.00	0.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Cboe BZX Exchange, Inc.	0.03	0.00	0.09	0.04	0.00	-0.12	-7.5217	-58.28	-25.5222	206.40	24.5276	0.75	29.0000

## Material Aspects:

BofA Securities, Inc.:

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (Level and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zambato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIAIX family of options exchanges, including MIAIX Pearl, LLC and MIAIX Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Two Sigma Securities, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NEW YORK STOCK EXCHANGE, INC.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

The Nasdaq Stock Market LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

UBS Securities, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

G1 Execution Services, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Cboe BZX Exchange, Inc.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://www.cboe.com/us/equities/membership/fee_schedule/bzx/)

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May 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	35.88	4.41	57.70	2.00

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)
BofA Securities, Inc.	86.68	69.66	89.99	96.56	99.29	-10,506.90	-0.1912	-137,753.78	-5.5154	380,255.23	13.1604	6,233.19	0.9789
CITADEL SECURITIES LLC	3.13	8.69	0.16	0.00	0.24	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	2.46	6.82	0.13	0.00	0.13	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Two Sigma Securities, LLC	1.60	4.45	0.08	0.00	0.13	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
Jane Street Capital	1.59	4.43	0.08	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 Execution Services, LLC	0.96	2.67	0.05	0.00	0.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS Securities, LLC	0.96	2.67	0.04	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE Arca, Inc.	0.82	0.20	3.00	1.07	0.03	-1,698.47	-15.1358	-3,485.57	-14.5041	1,217.38	20.7651	-3.15	-5.8432
The Nasdaq Stock Market LLC	0.75	0.16	2.28	1.02	0.03	-393.35	-4.5560	-4,881.79	-16.4973	4,756.24	25.6023	-3.21	-2.9469
NEW YORK STOCK EXCHANGE, INC.	0.71	0.16	2.10	0.96	0.03	-343.91	-3.8832	-3,974.12	-14.1634	2,894.65	17.6052	-14.93	-3.2965

### Material Aspects:

BofA Securities, Inc.:

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (Level and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zambato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIAX family of options exchanges, including MIAX Pearl, LLC and MIAX Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Two Sigma Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

G1 Execution Services, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

UBS Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NYSE Arca, Inc.:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf).

The Nasdaq Stock Market LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

NEW YORK STOCK EXCHANGE, INC.:



When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

May 2024

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	4.14	19.89	55.63	20.34

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(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	31.06	0.00	10.88	51.63	0.84	0.00	0.0000	46,487.19	21.5152	656,361.88	53.3082	-16,967.53	-33.0153
Nasdaq PHLX LLC	17.74	0.00	2.85	29.32	4.22	2.10	52.5000	11,052.49	21.4799	30,605.49	22.9375	14,265.51	24.5805
Dash/IMC Financial Markets	8.31	27.08	6.59	1.65	24.40	781.00	0.6545	53,513.86	27.4199	28,028.30	31.8380	92,903.36	46.2017
CITADEL SECURITIES LLC	7.88	36.89	13.63	0.86	15.55	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Nasdaq ISE, LLC	7.75	0.00	1.41	0.48	35.42	0.00	0.0000	-9,729.19	-20.6131	11,410.67	74.0040	48,784.95	26.5670
Cboe Exchange, Inc.	6.65	0.00	14.17	3.66	8.82	0.00	0.0000	45,949.81	14.2509	3,256.64	2.1561	10,784.82	9.5960
Global Execution Brokers, LP	5.67	36.03	11.85	0.96	6.32	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Nasdaq BX, Inc.	4.32	0.00	3.65	6.46	0.00	0.00	0.0000	-38,161.09	-37.5107	108,871.89	105.3449	0.00	0.0000
The NASDAQ Options Market LLC	2.34	0.00	3.28	3.04	0.00	0.00	0.0000	-31,023.67	-28.4914	89,487.55	45.9009	0.00	0.0000
BOX Exchange LLC	1.72	0.00	7.85	0.29	0.02	0.00	0.0000	-3,805.00	-1.6830	180.10	7.8818	7.00	31.8182

Material Aspects:

NYSE ARCA OPTIONS:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing during this quarter. In April, May and June, BofAS qualified for an additional \$0.25 customer posting rebate in Penny Interval Program symbols, and an additional \$0.25 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

Nasdaq PHLX LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/phlx/rules>.

Dash/IMC Financial Markets:  
Orders routed to this market center for execution may be executed by such center or may be further routed by Dash to other venues (such as exchanges or other market centers) for execution. For MLPF&S's customer orders routed to exchanges, Dash pays fees or receives credits in accordance with the published fee schedules of the relevant exchanges, may receive incremental pricing benefits in accordance with such published fee schedules, and may participate in fee programs sponsored by the relevant exchanges. In some cases, the credits or rebates offered by relevant exchanges to Dash over a period of time may exceed the charges assessed and, in such cases, Dash passes through to BofAS the net credit or net charge attributable to MLPF&S customer orders, which BofAS in turn passes through to MLPF&S.

CITADEL SECURITIES LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Nasdaq ISE, LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/ise/rules>.

Cboe Exchange, Inc.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/options/membership/fee\\_schedule/cone/](https://www.cboe.com/us/options/membership/fee_schedule/cone/).

Global Execution Brokers, LP:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Nasdaq BX, Inc.:  
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. (“BofAS”) pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/bx/rules/BX%20Options%207>.

The NASDAQ Options Market LLC:  
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. (“BofAS”) pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In April, May, June, BofAS qualified for an additional \$0.30 customer posting rebate in Penny Interval Program symbols and an additional \$0.30 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/Nasdaq%20Options%207>.

BOX Exchange LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://boxoptions.com/fee-schedule/>

## June 2024

### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	39.92	2.77	55.69	1.62

#### 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)
BofA Securities, Inc.	82.13	63.50	84.34	94.89	98.63	-1,915.95	-0.1560	-6,817.57	-2.6580	107,627.26	22.6345	2,160.69	1.5664
CITADEL SECURITIES LLC	4.20	10.50	0.12	0.00	0.50	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	3.28	8.20	0.10	0.00	0.52	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Jane Street Capital	2.16	5.41	0.06	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Two Sigma Securities, LLC	2.14	5.35	0.06	0.00	0.13	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NEW YORK STOCK EXCHANGE, INC.	2.11	0.57	7.46	3.00	0.07	-229.00	-2.3697	-927.83	-6.9972	443.33	15.3219	-1.88	-3.1083
The Nasdaq Stock Market LLC	1.35	0.31	5.29	1.92	0.08	-186.95	-3.2418	-1,070.10	-12.7816	1,214.93	23.6218	-4.06	-5.9684
UBS Securities, LLC	1.28	3.19	0.04	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 Execution Services, LLC	1.19	2.97	0.03	0.00	0.06	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Cboe BZX Exchange, Inc.	0.04	0.00	0.40	0.05	0.00	-0.08	-7.5093	-236.58	-30.0000	71.94	11.2612	0.29	29.0000

### Material Aspects:

BofA Securities, Inc.:

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (Level and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zanbato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIAX family of options exchanges, including MIAX Pearl, LLC and MIAX Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Two Sigma Securities, LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NEW YORK STOCK EXCHANGE, INC.:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

The Nasdaq Stock Market LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

UBS Securities, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

G1 Execution Services, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Cboe BZX Exchange, Inc.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center’s published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://www.cboe.com/us/equities/membership/fee_schedule/bzx/)

June 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	35.57	4.33	58.30	1.80

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)
BofA Securities, Inc.	86.53	69.18	87.51	96.65	99.17	-8,748.73	-0.1988	-102,393.15	-5.2210	324,629.93	14.4448	4,711.29	0.9793
CITADEL SECURITIES LLC	3.18	8.91	0.17	0.00	0.26	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Virtu Americas, LLC	2.50	6.99	0.14	0.00	0.15	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Jane Street Capital	1.64	4.59	0.08	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Two Sigma Securities, LLC	1.63	4.56	0.09	0.00	0.24	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS Securities, LLC	0.97	2.71	0.05	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 Execution Services, LLC	0.88	2.47	0.04	0.00	0.06	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE Arca, Inc.	0.81	0.21	3.44	1.01	0.03	-1,481.17	-15.2156	-3,391.27	-14.4646	1,065.85	19.0557	-0.48	-0.9845

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)
The Nasdaq Stock Market LLC	0.77	0.16	2.68	1.02	0.03	-225.85	-3.0226	-4,660.76	-17.3802	3,392.02	20.6311	1.04	0.9813
NEW YORK STOCK EXCHANGE, INC.	0.72	0.16	2.36	0.96	0.03	-423.47	-4.4246	-3,953.76	-14.0418	2,387.90	17.0240	-0.26	-0.3360

Material Aspects:

BofA Securities, Inc.:  
Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is a broker-dealer that executes its customer orders in National Market System ("NMS") securities as agent. MLPF&S routes the bulk of its customer held orders in NMS stocks and NMS securities that are option contracts to its affiliated broker-dealer under common control, BofA Securities, Inc. ("BofAS"), for further order handling, leveraging BofAS's connectivity and other infrastructure. As further described below, BofAS then may either further route, as agent, MLPF&S customer orders to other venues for execution or, with respect to MLPF&S's brokerage customer orders in NMS stocks, BofAS may execute such MLPF&S customer orders on a principal basis. BofAS acts as a registered market maker in numerous Nasdaq and other exchange-listed securities and may execute customer orders in such securities on a principal basis. BofAS also may principally commit capital to facilitate customer transactions or serve as the contra-side to customer orders executed internally through one or more alternative trading systems operated by BofAS. BofAS, however, does not transact on a principal basis with respect to any orders executed on behalf of MLPF&S investment advisory customers or with respect to any MLPF&S customer orders in option contracts. BofAS stands to realize 100% of any profits or losses generated when BofAS trades as agent or principal with respect to MLPF&S customer orders. In addition, BofAS may route MLPF&S customer orders to other venues including but not limited to national securities exchanges, multi-lateral trading facilities, other alternative trading systems or external liquidity providers, or broker-dealers. For information about BofAS's routing of its customer orders in NMS securities and the material aspects of its relationships with its identified trading venues, see BofAS's quarterly public disclosure, available at <http://public.s3.com/rule606/bofas>. When BofAS routes orders to certain SEC-registered securities exchanges, BofAS pays fees and receives credits in accordance with that market center's published fee schedule filed with the SEC, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by a market center to BofAS over a period of time will exceed the charges assessed. Likewise, in some cases, the charges over a period of time will exceed the credits. BofAS passes through to MLPF&S the net credit or net charge attributable to MLPF&S customer orders. Aside from holdings that BofAS may acquire from time to time as part of its ordinary market making, block positioning, client facilitation and related hedging activities, an MLPF&S affiliate under common control may acquire equity stakes in market centers as part of a strategic investment. In this regard, an MLPF&S affiliate owns a minority equity investment stake in the following market centers and therefore stands to participate as a shareholder/investor in the profits that each market center realizes in part from the execution of securities transactions, including the execution of MLPF&S customer orders: Members Exchange (MEMX); CME; Tokyo Financial Exchange; JapanNext; Borsa Istanbul (BIST); Xpansiv; Kezar Trading (LeveL and Luminex); Curve Global; Trumid; MTS S.p.A.; iSwap; Philippine Dealing Systems; PureStream Trading Technologies, Inc.; Equilend; Zanbato; LedgerEdge; and Liquidity Match (FXSpotStream). BofAS or an affiliate also own an equity stake in Miami International Holdings, Inc., which is the parent company of the MIA family of options exchanges, including MIA Pearl, LLC and MIA Emerald, LLC. Additionally, BofAS owns and is the broker-dealer operator of Instinct X®, an NMS stock Alternative Trading System in the United States

CITADEL SECURITIES LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Virtu Americas, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Jane Street Capital:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

Two Sigma Securities, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

UBS Securities, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

G1 Execution Services, LLC:  
MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

NYSE Arca, Inc.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf).

The Nasdaq Stock Market LLC:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>.

NEW YORK STOCK EXCHANGE, INC.:  
When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf).

## Options

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	4.16	18.93	55.97	20.93

### 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	29.86	0.00	10.55	49.44	0.90	0.00	0.0000	46,473.53	26.9005	593,254.40	53.0974	-29,652.29	-33.2079
Nasdaq PHLX LLC	19.01	0.03	2.72	31.30	4.68	13.30	28.2979	8,017.30	19.8797	28,863.17	23.6347	17,409.73	24.7772
CITADEL SECURITIES LLC	8.07	37.02	14.87	0.90	15.32	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Dash/IMC Financial Markets	7.99	27.05	4.34	1.67	24.41	618.30	0.5072	25,410.36	21.7478	27,360.93	32.2288	100,510.68	45.1451
Nasdaq ISE, LLC	7.86	0.00	1.57	0.41	35.05	0.00	0.0000	-12,271.51	-25.9918	7,804.18	63.2788	49,847.95	26.2425
Cboe Exchange, Inc.	5.51	0.00	6.75	3.84	9.95	0.00	0.0000	9,703.36	9.2774	14,540.24	10.6611	22,160.90	15.5944
The NASDAQ Options Market LLC	5.50	0.00	2.45	8.99	0.00	0.00	0.0000	-17,958.97	-25.7672	170,713.06	63.6645	0.00	0.0000
Global Execution Brokers, LP	4.98	35.66	9.84	0.89	5.41	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Cboe EDGX Exchange, Inc.	1.75	0.00	8.67	0.17	0.07	0.00	0.0000	56,983.27	24.4177	394.97	17.2100	1,507.44	35.8658
Nasdaq BX, Inc.	1.71	0.00	5.99	1.03	0.00	0.00	0.0000	-63,886.06	-38.7670	13,936.76	92.1195	0.00	0.0000

### Material Aspects:

#### NYSE ARCA OPTIONS:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing during this quarter. In April, May and June, BofAS qualified for an additional \$0.25 customer posting rebate in Penny Interval Program symbols, and an additional \$0.25 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

#### Nasdaq PHLX LLC:

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/phlx/rules>.

#### CITADEL SECURITIES LLC:

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

#### Dash/IMC Financial Markets:

Orders routed to this market center for execution may be executed by such center or may be further routed by Dash to other venues (such as exchanges or other market centers) for execution. For MLPF&S's customer orders routed to exchanges, Dash pays fees or receives credits in accordance with the published fee schedules of the relevant exchanges, may receive incremental pricing benefits in accordance with such published fee schedules, and may participate in fee programs sponsored by the relevant exchanges. In some cases, the credits or rebates offered by relevant exchanges to Dash over a period of time may exceed the charges assessed and, in such cases, Dash passes through to BofAS the net credit or net charge attributable to MLPF&S customer orders, which BofAS in turn passes through to MLPF&S.

**Nasdaq ISE, LLC:**

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/ise/rules>.

**Cboe Exchange, Inc.:**

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/options/membership/fee\\_schedule/cone/](https://www.cboe.com/us/options/membership/fee_schedule/cone/).

**The NASDAQ Options Market LLC:**

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In April, May, June, BofAS qualified for an additional \$0.30 customer posting rebate in Penny Interval Program symbols and an additional \$0.30 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/Nasdaq%20Options%207>.

**Global Execution Brokers, LP:**

MLPF&S did not receive any payment for order flow from or have any profit-sharing arrangement with this venue during the calendar quarter.

**Cboe EDGX Exchange, Inc.:**

When routing orders to this market center for execution, including client orders, BofAS pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: [https://www.cboe.com/us/options/membership/fee\\_schedule/edgx/](https://www.cboe.com/us/options/membership/fee_schedule/edgx/).

**Nasdaq BX, Inc.:**

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: <https://listingcenter.nasdaq.com/rulebook/bx/rules/BX%20Options%207>.