

# StoneX Financial, Inc. - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

October 2022

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	67.75	1.82	26.37	4.06

## 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)
UBS Securities, LLC	59.07	49.76	64.84	84.38	47.29	142.97	9.8673	78.28	10.0000	52.51	9.9787	31.07	10.0000
CITADEL SECURITIES LLC	38.67	50.09	28.57	14.03	12.81	304.28	10.0002	19.30	10.0016	41.79	10.0019	2.01	10.0349

## Material Aspects:

UBS Securities, LLC:

SFI received payment from UBS Securities, LLC ("UBS") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through UBS during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with UBS with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While UBS may receive rebates or other compensation from exchanges in connection with SFI orders, UBS does not share any such rebates or compensation with SFI.

CITADEL SECURITIES LLC:

SFI received payment from Citadel Securities LLC ("Citadel") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with Citadel with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

October 2022

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	56.77	12.59	28.77	1.87

## 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)
UBS Securities, LLC	88.04	83.54	94.81	95.14	69.87	1,320.38	9.8891	405.69	9.3780	164.38	9.9395	921.94	9.8362
CITADEL SECURITIES LLC	11.33	16.45	4.82	4.27	8.25	2,197.90	9.9779	626.24	9.3995	144.88	10.0008	-36.93	-3.6337

**Material Aspects:**

UBS Securities, LLC:

SFI received payment from UBS Securities, LLC ("UBS") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through UBS during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with UBS with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While UBS may receive rebates or other compensation from exchanges in connection with SFI orders, UBS does not share any such rebates or compensation with SFI.

CITADEL SECURITIES LLC:

SFI received payment from Citadel Securities LLC ("Citadel") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with Citadel with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

## October 2022

## 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	19.69	20.92	46.39	13.00

## 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)
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Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	56.59	81.03	33.47	61.16	40.51	4,746.74	25.0964	2,643.00	17.1992	3,158.70	29.6898	82.25	26.0285
Matrix Executions, LLC / Simplex Trading, LLC	40.92	16.34	65.82	36.44	54.10	-54.80	-0.9348	11,051.05	4.6550	37,609.70	15.7517	5,958.81	4.0453

## Material Aspects:

### CITADEL SECURITIES LLC:

SFI received payment from Citadel in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.50 per executed contract for executable/marketable orders in options that are quoted and trade in nickel (\$0.05) increments.

SFI's arrangement with Citadel is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from options exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

### Matrix Executions, LLC / Simplex Trading, LLC:

SFI received payment from Matrix Executions, LLC ("Matrix") in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through or with Matrix during the month indicated. Such amounts were calculated (and SFI was paid) (1) at a rate of \$0.12 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted in non-penny increments and (2) based upon the amount Matrix receives from applicable options exchanges and shares with SFI (as described below) for crossing SFI options orders on such options exchanges, as described in greater detail below.

As indicated above, SFI receives all or a portion of the compensation Matrix receives from executing SFI options orders on applicable options exchanges and the amount of such compensation varies based upon the options exchange, whether the order was crossed on the exchange, whether the order was crossed electronically or on the applicable options exchange floor as part of a qualified contingent cross, and/or the professional/non-professional (that is, retail) nature of the counterparties to such cross. Specifically, SFI receives from Matrix:

- For SFI orders routed to options exchanges with complex order books, SFI receives 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
- For SFI orders routed to options exchanges as crosses (other than as indicated below), SFI received 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
- For qualified contingent crosses executed on the floor of the BOX Exchange, \$0.07 per executed contract;

For qualified contingent crosses executed electronically on the BOX Exchange or MIAX Exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."

- For qualified contingent crosses and solicitation agency orders executed electronically on the, EDGX options exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."

For SFI orders submitted as an agency order to the EDGX or ISE exchanges, including an order with a designated give up, that crosses with a response order (also referred to as a break up order), SFI receives 75% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders; Matrix's receipt of rebates from applicable options exchanges and the volume-based tiering payment schedules of those options exchanges potentially provides an incentive for Matrix to route orders to one options exchange over another so as potentially to maximize the benefit of such rebates or such volume-based tiering. Although SFI does not participate in Matrix's routing decisions, SFI can benefit from any potential routing by Matrix as a result of SFI's receipt of all or a portion of the compensation Matrix receives from such options exchanges. Other than the foregoing, SFI's arrangement with Matrix is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. Finally, as indicated above, SFI's receipt of rebates from Matrix for crosses executed on applicable options exchanges are subject to the volume-based tier applicable to SFI's order flow notwithstanding that Matrix may receive a greater benefit from volume-based tiering as a result of aggregate order flow routed for SFI and other broker-dealers for which Matrix routes options orders.

## November 2022

## 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	42.27	2.56	7.02	48.15

### 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)
CITADEL SECURITIES LLC	72.53	51.72	18.52	42.86	98.00	291.69	9.9998	30.39	9.9974	97.54	10.0008	-10.89	-1.9382
UBS Securities, LLC	27.19	48.16	80.42	55.79	1.77	188.43	9.9983	82.09	10.0000	34.21	10.0000	57.67	9.9948

Material Aspects:

CITADEL SECURITIES LLC:  
SFI received payment from Citidel Securities LLC ("Citadel") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with Citadel with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

UBS Securities, LLC:  
SFI received payment from UBS Securities, LLC ("UBS") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through UBS during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with UBS with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While UBS may receive rebates or other compensation from exchanges in connection with SFI orders, UBS does not share any such rebates or compensation with SFI.

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November 2022

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	46.96	12.97	22.96	17.12

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)
UBS Securities, LLC	76.76	85.99	96.62	95.11	11.77	1,129.69	8.9871	902.13	9.5051	556.54	9.2311	2,703.60	10.0000
CITADEL SECURITIES LLC	22.86	14.00	3.38	4.85	86.02	2,516.57	9.5343	812.72	6.3479	357.11	8.4462	-252.83	-8.8289

Material Aspects:

UBS Securities, LLC:

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November 2022

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	18.44	16.24	52.66	12.66

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)
CITADEL SECURITIES LLC	58.68	78.05	43.60	62.52	33.84	3,612.50	25.3544	4,535.25	20.0462	3,031.50	30.8518	108.25	27.4051
Matrix Executions, LLC / Simplex Trading, LLC	40.03	21.95	55.74	35.71	64.15	105.56	2.5566	-6,139.05	-3.0918	1,702.00	0.8844	-4,978.66	-3.7589

Material Aspects:

CITADEL SECURITIES LLC:  
SFI received payment from Citadel in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.50 per executed contract for executable/marketable orders in options that are quoted and trade in nickel (\$0.05) increments.

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Matrix Executions, LLC / Simplex Trading, LLC:

SFI received payment from Matrix Executions, LLC ("Matrix") in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through or with Matrix during the month indicated. Such amounts were calculated (and SFI was paid) (1) at a rate of \$0.12 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted in non-penny increments and (2) based upon the amount Matrix receives from applicable options exchanges and shares with SFI (as described below) for crossing SFI options orders on such options exchanges, as described in greater detail below.

As indicated above, SFI receives all or a portion of the compensation Matrix receives from executing SFI options orders on applicable options exchanges and the amount of such compensation varies based upon the options exchange, whether the order was crossed on the exchange, whether the order was crossed electronically or on the applicable options exchange floor as part of a qualified contingent cross, and/or the professional/non-professional (that is, retail) nature of the counterparties to such cross. Specifically, SFI receives from Matrix:

- For SFI orders routed to options exchanges with complex order books, SFI receives 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
  - For SFI orders routed to options exchanges as crosses (other than as indicated below), SFI received 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
  - For qualified contingent crosses executed on the floor of the BOX Exchange, \$0.07 per executed contract;
- For qualified contingent crosses executed electronically on the BOX Exchange or MIA Exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."
- For qualified contingent crosses and solicitation agency orders executed electronically on the, EDGX options exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."

For SFI orders submitted as an agency order to the EDGX or ISE exchanges, including an order with a designated give up, that crosses with a response order (also referred to as a break up order), SFI receives 75% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders; Matrix's receipt of rebates from applicable options exchanges and the volume-based tiering payment schedules of those options exchanges potentially provides an incentive for Matrix to route orders to one options exchange over another so as potentially to maximize the benefit of such rebates or such volume-based tiering. Although SFI does not participate in Matrix's routing decisions, SFI can benefit from any potential routing by Matrix as a result of SFI's receipt of all or a portion of the compensation Matrix receives from such options exchanges. Other than the foregoing, SFI's arrangement with Matrix is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. Finally, as indicated above, SFI's receipt of rebates from Matrix for crosses executed on applicable options exchanges are subject to the volume-based tier applicable to SFI's order flow notwithstanding that Matrix may receive a greater benefit from volume-based tiering as a result of aggregate order flow routed for SFI and other broker-dealers for which Matrix routes options orders.

## December 2022

### 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	41.33	3.39	20.61	34.66

#### 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)
CITADEL SECURITIES LLC	57.60	51.23	12.50	10.17	97.81	413.19	10.0002	47.45	10.0013	46.16	10.0015	13.07	9.9962
UBS Securities, LLC	42.11	48.21	86.74	89.64	2.19	161.67	9.9941	74.16	10.0000	29.50	10.0000	25.10	10.0000

#### Material Aspects:

CITADEL SECURITIES LLC:  
SFI received payment from Citadel Securities LLC ("Citadel") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

SFI's arrangement with Citadel with respect to orders and executions in such NMS stocks is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

UBS Securities, LLC:

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December 2022

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	43.78	10.79	25.77	19.66

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)
UBS Securities, LLC	76.60	89.76	96.75	97.87	8.35	918.57	9.8158	531.12	9.1568	246.31	7.2674	1,710.90	10.0000
CITADEL SECURITIES LLC	21.36	10.23	3.21	2.10	81.31	2,557.00	9.5464	860.14	8.0288	495.35	9.0633	14.10	10.0007

Material Aspects:

UBS Securities, LLC:  
SFI received payment from UBS Securities, LLC ("UBS") in the amounts shown above for orders in NMS Stocks priced greater than or equal to \$1 per share that were routed to and executed through UBS during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.001 per share.

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December 2022

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	21.84	17.02	51.87	9.28

## 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)
CITADEL SECURITIES LLC	67.33	83.42	46.97	73.36	33.03	3,862.75	21.1102	5,001.15	23.0776	3,115.00	29.9721	125.75	32.3265
Matrix Executions, LLC / Simplex Trading, LLC	31.62	16.33	52.86	24.76	66.97	318.21	13.1383	-2,881.99	-3.3859	608.80	0.4327	427.32	0.3403

## Material Aspects:

### CITADEL SECURITIES LLC:

SFI received payment from Citadel in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through Citadel during the month indicated. Such amounts were calculated (and SFI was paid) at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.50 per executed contract for executable/marketable orders in options that are quoted and trade in nickel (\$0.05) increments.

SFI's arrangement with Citadel is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. While Citadel may receive rebates or other compensation from options exchanges in connection with SFI orders, Citadel does not share any such rebates or compensation with SFI.

### Matrix Executions, LLC / Simplex Trading, LLC:

SFI received payment from Matrix Executions, LLC ("Matrix") in the amounts shown above for executable/marketable options orders (other than orders in index options) that were routed to and executed through or with Matrix during the month indicated. Such amounts were calculated (and SFI was paid) (1) at a rate of \$0.12 per executed contract for executable/marketable orders in options that are quoted and trade in penny (\$0.01) increments and at a rate of \$0.25 per executed contract for executable/marketable orders in options that are quoted in non-penny increments and (2) based upon the amount Matrix receives from applicable options exchanges and shares with SFI (as described below) for crossing SFI options orders on such options exchanges, as described in greater detail below.

As indicated above, SFI receives all or a portion of the compensation Matrix receives from executing SFI options orders on applicable options exchanges and the amount of such compensation varies based upon the options exchange, whether the order was crossed on the exchange, whether the order was crossed electronically or on the applicable options exchange floor as part of a qualified contingent cross, and/or the professional/non-professional (that is, retail) nature of the counterparties to such cross. Specifically, SFI receives from Matrix:

- For SFI orders routed to options exchanges with complex order books, SFI receives 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
  - For SFI orders routed to options exchanges as crosses (other than as indicated below), SFI received 100% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders;
  - For qualified contingent crosses executed on the floor of the BOX Exchange, \$0.07 per executed contract;
- For qualified contingent crosses executed electronically on the BOX Exchange or MIA Exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."
- For qualified contingent crosses and solicitation agency orders executed electronically on the, EDGX options exchange, \$0.10 per executed contracts for crosses with a counterparty characterized as a "Customer" or a "Professional Customer" and \$0.15 per executed contracts for crosses with a counterparty not characterized as a "Customer."

For SFI orders submitted as an agency order to the EDGX or ISE exchanges, including an order with a designated give up, that crosses with a response order (also referred to as a break up order), SFI receives 75% of the rebates that Matrix receives with respect to those orders, calculated at the pricing tier applicable solely to SFI orders and not any more favorable pricing tier that Matrix may obtain as a result of aggregating SFI orders with other non-SFI orders; Matrix's receipt of rebates from applicable options exchanges and the volume-based tiering payment schedules of those options exchanges potentially provides an incentive for Matrix to route orders to one options exchange over another so as potentially to maximize the benefit of such rebates or such volume-based tiering. Although SFI does not participate in Matrix's routing decisions, SFI can benefit from any potential routing by Matrix as a result of SFI's receipt of all or a portion of the compensation Matrix receives from such options exchanges. Other than the foregoing, SFI's arrangement with Matrix is not subject to any volume thresholds, minimum order thresholds, or volume-based tiered payment schedule. Finally, as indicated above, SFI's receipt of rebates from Matrix for crosses executed on applicable options exchanges are subject to the volume-based tier applicable to SFI's order flow notwithstanding that Matrix may receive a greater benefit from volume-based tiering as a result of aggregate order flow routed for SFI and other broker-dealers for which Matrix routes options orders.